Volume 161 No. 17

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

April 28 1952

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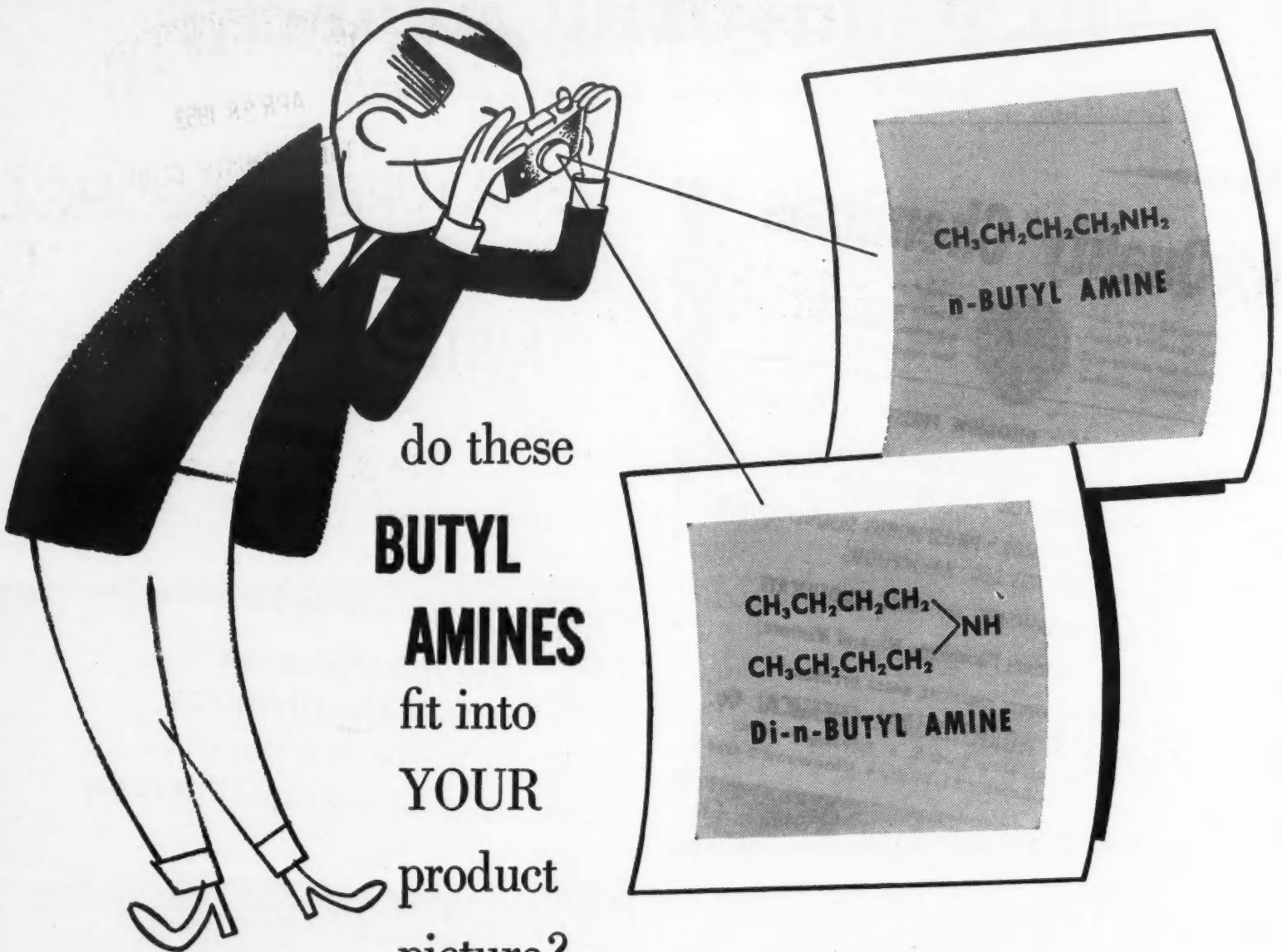

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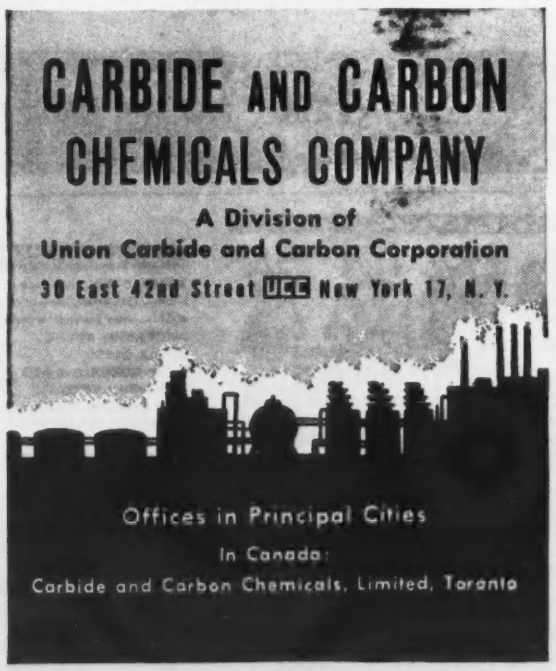
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APR 28 '52

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Superphosphate in Bulk Under Tailored Ceiling

The first of the tailored regulations affecting the fertilizer industry went into effect April 26 with the issuance by the Office of Price Stabilization of CPR 137, establishing dollars-and-cents ceiling prices on bulk sales of superphosphate. The regulation covers ordinary and triple superphosphate; producers of double super must apply to the agency for their ceilings.

The regulation is the first of five regulations relating to this industry which have been in the making for months. Others due to come along later are those tailored to the particular needs of the potash producers, nitrogen producers, mixers, and phosphate rock producers. There is no information forthcoming, however, as to when these regulations will make their appearance.

Under CPR 137, ceilings for superphosphate are set on the basis of available phosphoric acid (APA) content. An APA unit is 20 pounds of available phosphoric acid. Thus, a ton of superphosphate containing 18 percent of such acid, has 18 units APA and its ceiling price is determined in accordance with the APA unit ceiling at a specified production point. Account is made of the fact that transportation is an important item of cost for the two principal component raw materials—phosphate rock and sulphuric acid—and the ceilings established therefore vary at different production points.

The agency has arbitrarily classified superphosphate according to APA content. Ordinary superphosphate is designated as 21 percent or less APA; double superphosphate as 22 percent to and including 39 percent APA, and triple superphosphate as 40 percent or more APA.

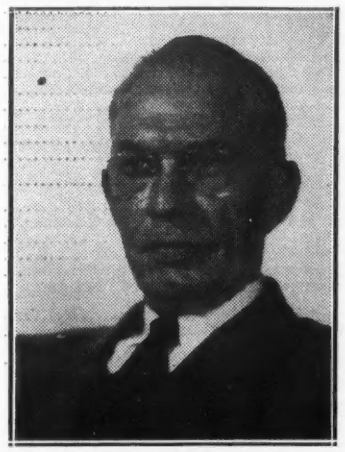
Ceilings Throughout US

The ceiling prices for sales of run-of-the-pile pulverized superphosphate, f.o.b. cars, vessels or trucks at the manufacturer's plant, is fixed in the regulation as follows per APA unit:—

Alabama:—Birmingham, 85c.; Dothan, 84c.; Florence, 85c.; Mobile, 81c.; Montgomery, 84c.; Roanoke, 85c., and Troy, 84c.
Arkansas:—Little Rock, $1.03; Texarkana, $1.03, and Walnut Ridge, $1.03.
California:—Stege, $1.32, and Vernon, $1.32.
Florida:—Agricola, 72c.; Bartow, 72c.; Cottondale, 84c.; East Tampa, 72c.; Jacksonville, 78c.; Nichols, 72c.; Pensacola, 69c., and Pierce, 72c.
Georgia:—Albany, 84c.; Americus, 84c.; Athens, 84c.; Atlanta, 84c.; Augusta, 84c.; Carrollton, 84c.; Columbus, 84c.; East Point, 84c.; LaGrange, 84c.; Macon, 84c.; Moultrie, 84c.; Pelham, 84c.; Rome, 84c.; Savannah, 80c.; Tifton, 84c., and Valdosta, 84c.
Idaho:—Pocatello, $1.14.
Illinois:—Calumet City, 98c.; Chicago Heights,

—Continued on page 37

Gets Higher NPA Post



Lawrence W. Strattner has been named assistant administrator of the National Production Authority in charge of the chemical, rubber and forest products bureau. He succeeds Kenneth H. Klipstein, who will return to his position as assistant general manager of the Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J. Mr. Strattner, who is administrative vice-president of the West Virginia Pulp & Paper Company, New York, has served as deputy administrator of the bureau since last November 1.

Hydrofluoric Acid Allocation Consideration Dropped by US

Because of improved supplies of fluorspar and an easing in the demand for the acid, earlier plans of the National Production Authority to allocate hydrofluoric acid have been laid aside for the time being.

Earlier this year it appeared almost certain that a hydrofluoric acid allocation program would have to be instituted because of the difficulties that many consumers were experiencing in obtaining adequate supplies. The matter was considered at several industry advisory committee meetings.

NPA officials now report that this situation has changed materially, and for the present, at least, an allocation program appears unnecessary.

Fertilizer Program to Coordinate Use of Expanded Output Planned

Secretary of Agriculture Charles F. Brannan called upon the heads of all USDA agencies last week to develop a coordinated program for making efficient use of the increased supplies of fertilizers that are expected to be available to American agriculture in 1955.

Expansion programs now getting underway are calculated to increase supplies of nitrogen by 70 percent above 1951 levels, phosphates by 55 percent and potash by 51 percent. In the light of this prospective outlook, and since these increases are in accordance with the goals set by the department, the secretary said, the department has a responsibility in seeing to it that fertilizer is used properly.

The secretary expressed his views in a memorandum to heads of each of the department's agencies under the date of April 15, and made public April 22. The memorandum which amounts to a statement of departmental policy on fertilizers, reads as follows:—

Primary Job of Farmers

"The primary job facing farmers in the coming years is to increase production of agricultural commodities very substantially and simultaneously to build up the productive capacity of our soil. This is necessary to meet the needs of our increasing population and to keep our country strong. Increased use of fertilizers in conjunction with other desirable agricultural practices is essential in accomplishing this job.

"The department has a responsibility for assisting in every practicable way the proper utilization of these increased supplies of fertilizers in order that they may contribute to the objective of increased production and the building up of our agricultural productive capacity. In order for the department to meet its responsibility, it is necessary that the research, educational, credit, conservation, and production agencies of the department join in a vigorous, coordinated effort in cooperation with state and local agricultural agencies, the fertilizer industry, and others.

Coordinated Program Machinery

"To facilitate cooperation between the various agencies of the department of promoting proper fertilizer utilization, I am asking the department fertilizer committee to develop plans for a coordinated program having as its objective those actions necessary to provide every practicable assistance and incentive to get the increased supplies of needed fertilizer used properly and efficiently. This committee will work with department agencies, agencies of the land-grant colleges, the fertilizer industry, and other groups who are interested and can make a contribution to the carrying out of this program on a sound basis.

"I am asking that each agency of the department work with the fertilizer committee in developing the program and in carrying it out. As soon as the program has been developed, it will be brought to the attention of mobilization committees throughout the country in order that they may take appropriate action in supporting the program. Your fullest cooperation will be appreciated."

OPS Makes Initial Move to Relax Price Curbs on 'Soft' Commodities

The first major move to relax controls in significant areas of the economy were taken by the Office of Price Stabilization with the suspension of price ceilings on sixteen items, effective as of today. The action was announced to the senate banking committee last week by Price Director Ellis Arnall and Economic Stabilization Administrator Roger Putnam, together with the standards that have been adopted to govern future suspension actions, and the reimposition of ceilings when necessary.

The commodities on which price controls at the primary producer level have been suspended are:—cattlehides, kips, calfskins, tallow, lard, animal waste materials, vegetable oil soapstock, crude cottonseed oil, crude soybean oil, crude corn oil, burlap, wool, wool tops, wool noils, wool waste and alpaca. Further study is being given by the agency to the advisability of suspending ceilings on cotton.

Mr. Arnall indicated, however, that no widespread suspension action is under consideration at this time. Pointing out that three-fifths of the total wholesale trade is being carried on at peak prices and scarcely more than one-fifth at prices significantly below the post-Korean peak, he said:—

"Especially in those commodities which are sought after by both manufacturers and government procurement agencies—basic goods like steel and other metals, fuels, lumber, chemicals, paper, machinery, trucks and buses—there are practically no soft spots."

'Decontrol' Not Planned

Both Mr. Putnam and Mr. Arnall made it clear that OPS has no intention of "decontrolling" any commodities at this time. Mr. Arnall said that instead of decontrolling important commodities where markets are "soft," OPS will suspend regulations or lighten reporting or record-keeping requirements, "using standards under which we can objectively determine that such action is appropriate." And he stated that "we will see to it that suspension is always terminated before previous ceiling levels are reached."

Although producers of the commodities suspended today are freed from further record-keeping at this time, they are required to retain those records they maintained heretofore in compliance with the suspended regulations. In addition to its suspension studies, OPS is also developing standards and procedures for the relaxation or elimination of record-keeping and reporting requirements where suspension is not considered appropriate.

Vegetable Oils Ceilings

Simultaneously with suspension of the ceilings on tallows and oils, the agency lowered the ceiling levels for soybean oil, cottonseed oil and corn oil and announced that if market prices rise to within a few cents of these levels, the new ceilings will again come into operation. The new ceilings, while materially lower than the former ceilings, are still above present market levels for the products. The action is taken by the agency in amendment 13 to CPR 6. The agency explained that the amendment accomplishes three things:—

1. It revises downward the ceiling prices for crude soybean oil, crude cottonseed oil and crude corn oil.

2. It establishes dollars-and-cents ceiling prices for processors' sales of lard which were formerly covered by the General Ceiling Price Regulation.

3. It provides for a suspension of all provisions of CPR 6 and other regulations insofar as they apply to commodities for which new ceiling prices are fixed by this amendment, and also for suspension of the provisions of CPR 6 applying to tallows and greases, animal fat waste materials, and vegetable oil soapstocks.

Ceilings Above Current Market

Although the new ceilings for the named oils are below those in effect before issuance of this amendment, they still are 60 to 75 percent above current market quotations for those commodities. In event control is reimposed, these new, lower

—Continued on page 45

BHC, Sulphur Formulations Export Restrictions Removed

Benzene hexachloride and compositions or formulations containing less than 20 percent sulphur were removed from the positive list of products which require individual validated licenses for export from the United States, it was announced by the Office of International Trade April 23.

By this amendment of its regulation, OIT said, the description of the commodities remaining on the positive list is revised to read:—Benzene hexachloride formulations containing 1 percent or more gamma isomer of benzene hexachloride and 20 percent or more sulphur.

OIT also announced that a supplementary export quota of 5,000,000 pounds of DDT has been established for the second quarter. This quantity is in addition to the 5,000,000-pound DDT export quota for the second quarter announced on April 7.

The agency said that licenses covering the earlier quota have been issued in full, and although a substantial number of applications are pending against the supplementary quota, additional applications will be considered until the new quota is exhausted.

Sustained high production, combined with slow domestic demand for DDT, has made the supplementary quota possible, it was explained. In March, DDT production totaled about 12,950,000 pounds, or about 1,800,000 pounds more than in February. Continued production at the March rate would bring the 1952 total well above the previously estimated figure of 120,000,000 pounds.

Defense Production Act Extension Hearings Set

Because of the deadlock in the steel wage dispute, the senate banking committee last week decided to hold a new series of hearings on extension of the defense production act which will delay the reporting of a bill to the senate until the middle of May or later.

Sen. Burnett Maybank of South Caroline, chairman of the committee, said following a closed door meeting of the committee April 22 that former defense mobilizer Charles E. Wilson is being asked to testify on April 29, steel industry and labor representatives will appear April 30, and a round-table panel meeting will be held May 1.

The house banking committee has been marking time pending developments in the steel wage situation and the prospective action of the senate banking committee. It has tentatively agreed to go ahead with hearings around the end of this month, but the prospects are that a bill will not be reported until sometime in June. The defense production act expires June 30.

American Selling Price Repeal Hit by SOCMA

R. W. Hooker, of Hooker Electrochemical Company, told the senate finance committee April 25 that repeal of the American selling price basis for computing tariffs on chemical imports would complicate customs procedures.

Testifying on the customs simplification bill HR 5505, Mr. Hooker took issue with statements of officials of the Treasury Department that repeal of this provision of law would simplify matters for the industry and the customs bureau. Mr. Hooker appeared on behalf of the Synthetic Organic Chemical Manufacturers Association.

A number of clarifying changes in sections 2 and 20 of the bill were also heard in a statement filed with the committee by Howard Huston of the American Cyanamid Company. Section 2 modifies the anti-dumping provision of the present law and section 20 relates to conversion of currency.

Commerce Post Filled

The nomination of Jack G. Scott to the post of Undersecretary of Commerce for transportation was sent to the senate April 24 by President Truman. Mr. Scott succeeds Philip A. Hollar, who has resigned to return to his post as vice-president of the American Car & Foundry Company. Mr. Scott is a Denver, Col., attorney.

Mercury Supply Held Sufficient for Demands

The Defense Production Administration announced April 24 that federal financial assistance will not be granted to expand mercury production. Estimates of domestic production and imports from presently available sources indicate that supply will be sufficient to meet future demand, it was stated.

The goal for mercury is set at an annual supply of 60,500 flasks, beginning this year, compared with consumption in 1950 of 49,753 flasks. However, the goal is 4,599 flasks lower than the 1950 available supply of 65,099 flasks from domestic production and imports. Consumption of mercury in 1950 was at a new peacetime peak rate of 23 percent above 1949 and 6 percent above 1948. It was 21 percent below the all-time record established in 1945.

Electrical apparatus, including the mercury cell, was the principal use, taking 65 percent more than in 1949. Other important classifications that made substantial gains in 1950 were pharmaceuticals, 74 percent, and anti-fouling paints, 86 percent.

Imports entries of mercury in 1950 were 46 percent below the high of 1949 and 18 percent less than in 1945, but were larger than any other year. The quantity brought into the United States in 1949 were largely for the national stockpile but this did not influence 1950 receipts.

DPA Issues Additional Certificates of Necessity

The issuance of seventeen more tax amortization certificates covering expansions of production facilities in the area of the chemical industry during the period March 27 to April 3 was announced by the Defense Production Administration April 23. The certificates were among 255 issued during the period covering various industry expansions, including a $10,675,000 power project of the Dow Chemical Company, at Freeport, Tex., of which 40 percent was certified as eligible for rapid amortization. Certificates issued in the chemical industry were as follows:—

Ammonia—Lion Oil Company, El Dorado, Ark., $260,065 applied for, of which 55 percent was approved.

Bauxite ore—Reynolds Metals Company, Mobile, Ala., $75,000 applied for, of which 50 percent was approved.

Brine—Dow Chemical Company, Midland, Mich., $1,800,000 applied for and approval was given to 50 percent of $1,780,000.

Chemicals—Monsanto Chemical Company, Nitro, W. Va., $73,300 applied for, of which 30 percent was approved.

Dextran—Commercial Solvents Corporation, Terre Haute, Ind., $109,000 applied for, of which 70 percent was approved.

Limestone — Carbon Limestone Company, Hillsville, Pa., $41,161 applied for, of which 35 percent was approved.

Magnesium powder—Magna Manufacturing Company, Haskell, N. J., $17,201 applied for, of which 50 percent was approved.

Maleic anhydride and fumaric acid—Allied Chemical & Dye Corporation, Buffalo, N. Y., $4,551,500 applied for, of which 50 percent was approved.

Oxygen gas—National Cylinder Gas Company, Lowellville, Ohio, $170,000 applied for, of which 60 percent was approved.

Parachlorophenol—Monsanto, Monsanto, Ill., $290,000 applied for, of which 60 percent was approved.

Perchloroethylene—Southern Alkali Corporation, Louisville, Ky., $3,250,000 applied for and approval was given to 45 percent of $3,070,000.

Phenate and sulphonate detergents—Oronite Chemical Company, Oak Point, La., $1,593,700 applied for and approval was given to 15 percent of $207,200, 30 percent of $327 900 and 35 percent of $1,057,600.

Polyvinyl-formal resin—Shawinigan Resins Corporation, Springfield, Mass., $322,250 applied for, of which 50 percent was approved.

Propylene polymer for alkylation feed—Phillips Petroleum Company, Phillips, Tex., $331,000 applied for and approval was given to 65 percent of $294,200.

Sulphuric acid—American Aniline Products, Inc., Lock Haven Pa., $1,053,450 applied for and 70 percent of $203,756 approved.

Trichloroethylene—Hooker-Detrex, Inc., Ashtabula, Ohio, $213,000 applied for and approval given to 50 percent of $192.595.

Tungsten carbide and metal powder—Wah Chang Smelting & Refining Company, Glen Cove, N. Y., $265,722 applied for, of which 50 percent was approved.

Spencer Chemical Completes Plans for Added Installations

Spencer Chemical Company, Kansas City, Mo., last week revealed that its plans have now been completed and approved for the installation of two additional nitric acid units at the Jayhawk Works, and two auxiliary storage spheres at the Henderson Works, at a total cost of approximately $1,850,000. The new units will enable Spencer to increase its production of fertilizer grade ammonium nitrate and will also greatly reduce the company's dependence on the leased facilities at the Charlestown Works. The new installations are expected to be completed and in operation by June, 1953.

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Tin Talks Resumption Awaits Recognition of Bolivian Govt.

Negotiations between the United States and Bolivia on a contract for the purchase of Bolivian tin are expected to resume soon after recognition is given to the new Bolivian government, Harry A. McDonald, administrator of the Reconstruction Finance Corporation, said April 22. He expressed the belief that the negotiations would prove successful.

Mr. McDonald said that but for the revolution that took place in Bolivia recently, the negotiations probably would have been completed by now. He added that the United States is prepared to resume the talks whenever Bolivia is ready.

The administrator indicated that the $1.21½ per pound price included in the contracts negotiated with the United Kingdom, Belgium and Indonesia is the top price that would be offered to the Bolivians.

Jefferson Gets Tax Aid On Alkyl Phenols Plant

Jefferson Chemical Company, New York, has announced that it has been granted a certificate of necessity for the construction of nonyl phenol and dinonyl phenol manufacturing facilities at its Port Neches, Tex., plant. Construction of the new unit was begun in September, 1951, and is scheduled for completion within the next two or three months.

Soybean Oil Meal Processor Ceiling Price Up $7 per Ton

The processor ceiling price for soybean oil meal was raised $7 a ton by the Office of Price Stabilization, in an order effective April 23, to reflect more closely the historical relationhip between the price of this product and competing feeds. The new processor ceiling price for bulk quantities of the meal, f.o.b. Decatur, Ill., will be $81 a ton.

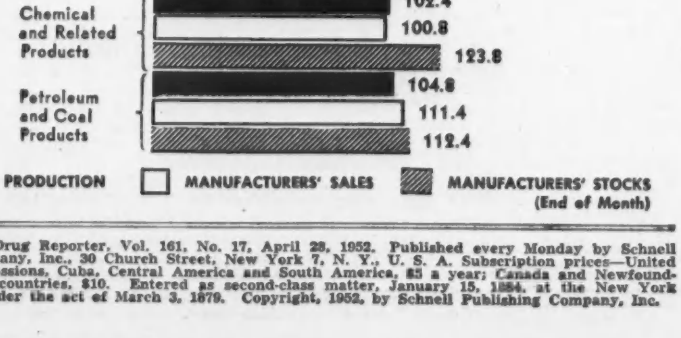
Amendment 3 to SR 3 of the GCPR also continues the differential for sacking sized cake and pellets, soybean hulls, soybean meal feed, packaging, location and for deliveries in small quantities. Ceiling prices for jobbers, cardoor sellers, wholesalers and retailers continue to be the suppliers' price on a sale plus the customary dollars and cents markup.

Nat'l Lead Acquires Control Of Nickel Processing Corp.

Joseph A. Martino, president of National Lead Company, New York, last week announced the acquisition by his company of a majority interest in Nickel Processing Corporation, operator of the government-owned nickel plant at Nicaro, Cuba. Mr. Martino indicated that National Lead and Fomento Minerales de Cuba have purchased N. V. Billiton Maatschappij's interest in Nickel Processing and rights to certain processes which may further expand the output of the plant.

Business in February, 1952

100= Same Month in 1951



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Price Trend Steady

Numerically, declining prices in the markets for chemicals, oils and drugs far outweighed advances last week, but the latter were of sufficient strength to hold the overall index number at its previous level. Greatest number of declines occurred in the markets for oils and fats, essential oils and textile and leather chemicals.

Except for thirty-four changes in botanicals listed on page 65, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Alphapicoline, 10c. per lb. (50).
Oil, coconut, crude, Pac. coast, ½c. per lb. (76).
N. Y., ½c. per lb. (76).
Lavender flower, 30-32%, 50c. per lb. (67).
Peanut, crude, ½c. per lb. (76).
Soybean, crude, ½c. per lb. (76).
Tung, ½c. per lb. (76).
Soybean meal, $7 per ton (76).
Tallow, extra, ⅜c. per lb. (76).
fancy, ⅜c. per lb. (76).
special, ⅜c. per lb. (76).

Prices Reduced

Acid, cresylic, ADF, 5c. per gal. (50).
Blood, dried, 25c. per unit of ammonia (46).
Bone meal, steamed, $2.50 per ton (46).
Casein, Argentine, ½c. per lb. (71).
Citronellal, 25c. per lb. (67).
Citronellol, 15c. per lb. (67).
Cocoa butter, ½c. per lb. (55).
Copra, $5 per ton (76).
Eugenol, 15c. per lb. (67).
Geranyl acetate, 15c. per lb. (67).
Geraniol, extra, 15c. per lb. (67).
standard, 65c. per lb. (67).
Glycerin, crude, 2c. per lb. (55).
Hydroxycitronellal, 40c. per lb. (67).
Linseed, fatty acid, 3/10c. per lb. (76).
Molasses, blackstrap, feed grade, New Orleans ½c. per gal. (55).
New York, 1c. per gal. (55).
Oil, cananga, native, 50c. per lb. (67).
Castor, No. 1 Brazilian, 1c. per lb. (76).
sulphonated, 1c. per lb. (55).
Citronella, Ceylon, 9c. per lb. (67).
Corn, crude, ½c. per lb. (76).
refined, ½c. per lb. (76).
Cottonseed, refined, ¼c. per lb. (76).
Fish, refined, 1c. per lb. (76).
Lavender flower, 40-42%, 75c. per lb. (67).
spike, 10c. per lb. (67).
Lemongrass, 5c. per lb. (67).
Lime, distilled, Mexican, 15c. per lb. (67).
Linseed, 3/10c. per lb. (76).
Menhaden, crude, ½c. per lb. (76).
Oiticica, ½c. per lb. (76).
Palm, ¼c. per lb. (76).
Patchouli, 25c. per lb. (67).
Peanut, refined, ¼c. per lb. (76).
Quicksilver, $4 per flask (40).
Red, vermilion, quicksilver, 5c. per lb. (71).
Safrol, 23c. per lb. (67).
Shellac, bleached, bonedry, 1c. per lb. (71).
refined, 1c. per lb. (71).
Tankage, 50c. per unit of ammonia (46).
Terpinol, prime, 3c. per lb. (67).
Terpinyl acetate, extra, 6c. per lb. (67).
Thymol, 15c. per lb. (55).
Valonia cups, $3 per ton (53).
Wax, Japan, 3c. per lb. (76).
Ouricury, 2c. per lb. (76).

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

April 23, 1952	April 16, 1952	July 1, 1950	April 27, 1951
140.8	140.8	121.0	154.5

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1952	1951	1947	1946	1941
January	146.6	150.8	150.9	135.3	107.3
February	144.7	153.3	151.9	135.4	110.3
March	141.5	154.3	154.9	135.2	119.9

Antibiotics Certification Rules Revised by FDA

Over-the-counter sales of bacitracin troches have been authorized by the federal Food and Drug Administration in an amendment to its rules covering certification of antibiotic preparations, announced by the agency April 24. The relaxation of controls, however, does not become effective for six months.

Heretofore it has been possible to make purchases of this preparation only by prescription of a physician. The agency said, however, that it is now believed possible to write adequate directions for use on the label for this product, since it has been shown that the drug is safe and efficacious for certain conditions that can be determined by the laity.

FDA also announced that it has modified its certification rules to provide for the use of dibenzylethylenediamine dipenicillin G in the manufacture of penicillin tablets and for a change in the potency requirements for penicillinstreptomycin dental cones and penicillin-dihydrostreptomycin dental cones from seventy-five milligrams to twenty-five milligrams.

DPA Int'l Activities Post to James F. King

Appointment of James F. King as deputy administrator for international activities and defense materials of the defense Production Administration, was announced April 23 by DPA administrator Manly Fleischmann. Mr. King has been serving as DPA deputy administrator for Resources Expansion since last October.

ACCCE Told of Gains In Packaging Industry

Since World War II, American businessmen have given more attention to packaging than probably at any time in the history of the country. This is the outgrowth of lessons learned in the wartime supplying of troops scattered over the whole globe and also the result of accelerated competition which has elevated packaging to an important merchandising factor in the consumer markets.

Such was the view expressed by R. H. Walters, director of research and development for General Foods Corporation, at a symposium on foods and food containers conducted by the Association of Consulting Chemists and Chemical Engineers, held at the Belmont Plaza hotel, New York, April 22.

Mr. Walters discussed at length the most commonly used packaging materials, which he grouped under the headings of paper, plastics and films, metal, glass and wood. Each has particular applications for which it is the ideally suited material, he pointed out,

What Industry Seeks

Turning to the question of what the packing industry looks forward to, Mr. Walters presented a few things to "stimulate" thought:—

"If wants a film that will retain its desirable characteristics throughout extreme temperature ranges from deep freeze to hot boxcars in the summers.

"It wants waxes with the moisture resistance and hardness of paraffin and the heat sealing strength of resins for frozen foods. Such coatings would extend the applications of carton overwraps.

"It wants the impermeability of foil at the price of newsprint.

"It wants a completely greaseproof

—Continued on page 60

American Chlorophyll, Strong Cobb Merger Plan Approved

Stockholders of American Chlorophyll, Inc., at a special meeting held in Lake Worth, Fla., April 25, voted to accept an offer made to them by Strong Cobb & Co., Cleveland, Ohio, to exchange each share of American Chlorophyll stock for one and one-third of Strong Cobb. Strong Cobb's stockholders, at a special meeting in Cleveland, also voted to approve the merger of the two companies. It is expected that the merger will become effective by approximately May 1.

According to George Miller, President of Strong Cobb, merging of the two companies was arranged with a view to expediting the development of chlorophyll by placing the wide research facilities and manufacturing techniques of Strong Cobb, 119-year old pharmaceutical manufacturers behind American Chlorophyll, considered the nation's largest producers of the drug. Plans are now under way for a broad program of investigation to be conducted jointly at the laboratories of both concerns, as well as at outstanding medical schools.

This combined research will be under the direction of Robert H. Vansant of American Chlorophyll, who developed the first successful, practical process for commercial extraction of chlorophyll from various grasses, and Dr. James C. Munch, Strong Cobb's medical director.

P.A.'s-Eye View of Business

Composite view, April 27, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

A consensus of purchasing executives indicates the anticipated spring upswing in industrial activity has not appeared. The trend to level off, that was reported in the March survey, is cancelled by the April reports. Back orders have taken a sharp drop, 36 percent reporting this condition. Production declines are double the increases. Seasonal gains in some lines are more than balanced out by further deterioration of the general industrial situation.

The March survey showed a correctional tendency to close the gap that had developed between the reduction of back orders and the high rates of production, by curtailing output. This is reversed in April, and the spread is about as great as it was in January. Contributing to the unfavorable reports are the increasing weakness of the price structure, some inventory liquidation, lower employment, and an extremely cautious and somewhat pessimistic policy on future purchasing commitments. The present steel labor controversy is creating an uneasy attitude toward future developments. Defense business has picked up here and there, but is not sufficient to reverse the business decline recorded since December.

The survey committee was asked this month for an opinion on the need for controls, both price and materials. Eighty-seven percent favor either their complete elimination or some modification—67 percent for elimination; 20 percent for modification. Of the latter, the principal recommendation for modification is the use of a simple system of priorities for direct defense needs. The 13 percent voting for retention of controls are, in the main, of the opinion that controls will be necessary until the outcome of the steel controversy is known.

Commodity Prices

Continued softening of industrial material markets is reported in April, and at an accelerated pace. Twenty-five percent, the highest number this year, report offerings at reduced prices. Much of this is in fabricated items and overstocked warehouse supplies. There is comment that many more quotations below ceiling prices would be made if suppliers were assured the reduced price would not be interpreted as a new ceiling price by OPS. Counter to the trend of prices are the boost in freight rates and the steel wage and price adjustments.

Inventories

For the fifth consecutive month, reports show substantial purchased material inventory reductions. Adjusting to balance the lower order bookings and reduced production schedules, coupled with price weakness, has made industry extremely inventory conscious. The usual spring industrial pickup has not developed. Opinion is expressed that an early summer business rise, preparing for vacation schedules, may not broaden the current inventory policy.

Employment

Sixty-five percent report holding the same as last month. Twelve percent show increased employment and 23 percent report decreased or shorter working time. Lack of orders and production cutbacks are more the cause than lack of materials. Agricultural employment is taking up some of the slack in a few areas. Common labor is generally available. Skilled

—Continued on page 45

Calco Appoints Parker Chemical Research Head

Dr. Robert P. Parker has been named director of chemical research of Calco Chemical Division of American Cyanamid Company, Bound Brook, N. J., succeeding Dr. H. C. Lecher, who retired April 1. Dr.

Dr. Robert P. Parker

Parker will be replaced as assistant director of chemical research in charge of the pharmaceutical section by Dr. J. J. Denton.

Dr. Parker joined Calco as a student trainee in the research department in 1934. He became a group leader in 1938 and sectional director in the organic research section in 1944. Dr. Parker was named assistant to the director of research in 1946 and assistant director of research of the pharmaceutical section in 1947.

Dr. Denton joined Calco in 1941 and worked in the organic research section until 1943, when he was transferred to the pharmaceutical research section. He was appointed a group leader in 1945 and a sectional director in the section in 1950.

Lion Oil Plans Construction Of New Nitrogen Plant in La.

Lion Oil Company announced April 23 that the company has filed a registration statement with the Securities and Exchange Commission providing for the registration for public offering of 400,000 shares of additional common stock, the proceeds of which, together with the proceeds from the sale to an insurance company of $15,000,000 of debentures, would provide funds for the construction of a new chemical plant which the company intends to build at an estimated cost of $31,000,000.

The new plant will be designated as the Barton plant and will be located at Luling, La., approximately fourteen miles north of New Orleans on the Mississippi River. The plant will have a capacity for the daily production of 300 tons of anhydrous ammonia, the greater part of which will be converted into prilled ammonium nitrate. Natural gas for raw material and fuel will be supplied by the Texas Company from its production in the immediate area in Louisiana.

Hercules to Fit Georgia Plant With Chlorine Unit

Hercules Powder Company, Wilmington, Del., has awarded a contract to H. K. Ferguson Company, Cleveland, Ohio, to engineer and construct a unit at its Brunswick, Ga., toxaphene plant to convert by-product hydrochloric acid to chlorine. Construction is scheduled to begin this summer, and it is expected that the project will be completed by the end of the year. Reclaimed gases produced at Brunswick will be recycled in the process unit for production of toxaphene.

Airco Elects Slottman

Air Reduction Company, New York, has elected Dr. George V. Slottman a vice-president of the concern. Dr. Slottman has been Airco's director of research and engineering since 1943, and will continue in charge of these activities.

Potash Imports Increase Threatens US Industry

Sharply increased imports of potash resulting from large scale expansion of production facilities abroad present a major problem to the domestic potash industry, American producers indicated at a meeting April 23 with the Defense Materials Procurement Agency.

Industry representatives said that imports of potash are now running at the rate of 300,000 tons a year and France and Spain plan to expand their production to double the pre-World War II output. They said that high wages paid in American mining industry, plus additional employee benefits, such as pensions, hospitalization and sick leave, make competition with low-cost foreign production very difficult.

Expansion of the domestic potash production could be readily accomplished in the event of an emergency, it was said, to meet all of the nation's requirements. However, since the industry has been built up entirely by private capital, without government support, the view was expressed that any exansion would have to be approached cautiously in the face of heavy imports.

Industry members expressed confidence that increased future requirements for potash could be met without government aid, other than in obtaining delivery of essential equipment. Unworked potash reserve supplies in the United States were described as adequate by the Department of th Interior.

Due principally to high freight rates, business spokesmen said that present demand is for high grade potash only, resulting in a tendency in the industry to up-grade its finished products.

Archer-Daniels-Midland Enters Chlorophyll Field

Archer-Daniels-Midland Company, Minneapolis, Minn., has entered the chlorophyll and xanthophyll industry. T. L. Daniels, ADM president, announced April 23 that the company has purchased the Keystone Chemurgic Corporation and has made arrangements to buy Chlorophyll, Inc.

At the same time, Mr. Daniels announced the formation of a new chlorophyll division headed by Donald G. Carpenter, former president and general manager of Keystone. Headquarters for the chlorophyll division will be in Minneapolis. August J. Buzas, also with Keystone, will be technical director and general superintendent in charge of the firm's chlorophyll plants. Mr. Daniels also revealed that ADM plans to expand its production as the demand for chlorophyll increases and intends to continue its policy of being a raw materials supplier. It does not plan to enter the package goods field.

Keystone, organized in 1947, has a chlorophyll and xanthophyll plant at Bethlehem, Pa., which is now in full-scale production. Chlorophyll, Inc., was formed a year ago and completed a plant at Neodesha, Kan., last January. Although the unit has never been in production, ADM expects to have it in operation soon. Major stockholders of Chlorophyll, Inc., were the Rystan Company, Mt. Vernon, N. Y., Charles Bowman & Co., New York, and ADM.

R. W. Greef & Co., New York, will continue as sales agents for the Bethlehem plant. Charles Bowman will be sales agents for the firm's Neodesha chlorophyll production.

Jersey Standard Sells Attapulgus Clay Holdings

Standard Oil Company (New Jersey), New York, has sold its 50 percent interest in Attapulgus Clay Company, Attapulgus, Ga., to F. Eberstadt & Co. and Lazard Freres & Co., both New York investment banking concerns. Atlantic Refining Company, Philadelphia, holder of the remaining 50 percent interest in Attapulgus Clay, will retain its holdings.

Attapulgus Clay produces fuller's earth products, used for filtering lubricating oils, for floor cleaning compounds and for insecticides. The company owns Filtrol Corporation, Los Angeles, Calif., jointly with Filtrol Company of California, a holding company, and is also joint owner of Porocel Corporation with American Cyanamid Company, New York. Filtrol Corporation makes absorbents and decolorizing agents, catalysts for oil cracking and dessicants for use in packaging. Porocel produces activated bauxite products for the decolorizing and purification of oils and waxes. Ferdinand Eberstadt and David E. Lilienthal have been elected directors of both the clay company and of Filtrol Corporation.

Washington Talks It Over

By Ralph L. Cherry

The latest increases in railroad freight rates—6 percent in the east and 9 percent in the south and west—is expected to impose a real burden on some manufacturers and sellers as a result of the ceiling price regulations of OPS. Since last October, ICC has now allowed the carriers to advance their rates 15 percent, but OPS, although it has protested these rate increases, hasn't seen fit to give a pass-through to the consumer. Only those increases occurring prior to certain dates can be tacked on to their ceilings by sellers.

For example, paint manufacturers pricing under SR 6 to CPR 22 can add only those transportation cost increases to their ceilings which occurred between June 24, 1950, and March 15, 1951. Sellers who price under GCPR can only pass on the increases if they sold on an f.o.b. basis, with the customer paying the actual transportation costs during the base period December 19, 1950, to January 25, 1951.

Nowhere in the regulations of OPS are there any provisions for the increases in freight rates which ICC authorized last October. The pinch already had begun to be felt by some sellers as a result of these increases, and now the screws are being made a little tighter by the latest increases. A mounting volume of protests and requests for relaxation of the OPS rules are looked for, but with no indications to date that OPS intends to ease the squeeze.

Drawback Rules Changes

Customs Commissioner Frank Dow reminds American exporters that there have been several changes in procedures with respect to the filing and processing of drawback claims which have been put into effect for their benefit. They became operative April 1 as an outgrowth of the general revisions in customs regulations announced by the bureau last September.

The changes mean a considerable reduction in paper work for both commercial interests and customs officers. They eliminate the requirement for the timely filing of a "notice of intent to export"; the requirement for customs inspection and supervision of the loading; and the requirement for the filing of the export bill of lading, or a copy, in support of drawback claims.

A "drawback" is a refunding of customs

—Continued on page 38

ISCO Heavy Chemicals for industry

facts:

About ISCO Heavy Chemicals

Caustic Potash: liquid, solid, flake, ground. Special grades for specific applications.

Carbonate of Potash: calcined, hydrated and liquid.

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Borax: powdered, granular.

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Association Meetings

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, Boston, Mass., November 6-8.

American Drug Manufacturers Association, annual meeting, Homestead hotel, Hot Springs, Va., April 28-May 1; production and engineering section, spring meeting, Homestead hotel, Hot Springs, Va., May 14-15.

American Institute of Chemists, annual meeting, Commodore hotel, New York, May 7-8.

American Oil Chemists Society, spring meeting, Shamrock hotel, Houston, Tex., April 28-30.

American Plant Food Council, annual meeting, The Homestead, Hot Springs, Va., June 19-22.

American Society for Testing Materials, annual meeting, Statler and New Yorker hotels, New York June 23-27.

American Soybean Association, annual convention, Purdue University, Lafayette, Ind., September 9-11.

American Standards Association, annual meeting, Waldorf-Astoria hotel, New York, November 19.

American Tung Oil Association, annual meeting, Admiral Semmes hotel, Mobile, Ala., October 8-10

American Water Works Association, annual conference, Kansas City, Mo., May 4-9.

Association of Consulting Chemists and Chemical Engineers, outing, Westchester Country Club, Rye, N. Y., June 6; annual symposium, Belmont Plaza hotel, New York, October 28.

Canadian Pest Control Operators Association, annual conference, University of Montreal, Montreal, Canada, May 12-14.

Chemical Institute of Canada, annual conference and exhibition, Mount Royal hotel, Montreal, June 2-4.

Chemical Specialties Manufacturers Association; midyear meeting, Copley-Plaza hotel, Boston, Mass., June 8-10.

Drug, Chemical and Allied Trades section of New York Board of Trade, annual meeting, Pocono Manor Inn, Pocono Manor, Pa., September 25-28.

Electrochemical Society, spring meeting, Benjamin Franklin hotel, Philadelphia, May 4-8.

Federal Wholesale Druggists Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 14-18.

Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 20-22.

Flavoring Extract Manufacturers' Association, annual meeting, Edgewater Beach hotel, Chicago, May 25-28.

Forest Products Research Society, annual meeting, Schroeder hotel, Milwaukee, Wis., June 23-25.

International Grassland Congress, Pennsylvania State College, State College, Pa., August 17-23.

International Organization for Standardization, triennial meeting, Columbia University, New York, June 9-21.

Manufacturing Chemists Association, joint meeting with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-25.

Metal Powder Association, annual meeting, in conjunction with Metal Powder Show, Drake hotel, Chicago, April 29-30.

National Air Pollution Symposium, Huntington hotel, Pasadena, Calif., May 5-6.

National Association of Purchasing Agents, annual convention, Convention Hall, Atlantic City, N. J., May 26-28.

National Cottonseed Products Association, annual convention, Roosevelt hotel, New Orleans, La., May 19-21.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 16-18.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, November 11-19.

National Lime Association, annual convention, Homestead, Hot Springs, Va., May 8-10.

National Paint, Varnish and Lacquer Association, annual convention, Palmer House, Chicago, November 17-19.

National Pest Control Association, annual meeting, Rice hotel, Houston, Tex., October 20-22.

National Petroleum Association, annual meeting, Traymore hotel, Atlantic City, N. J., September 10-12.

Packaging Machinery Manufacturers Institute, annual meeting, Homestead hotel, Hot Springs, Va., September 11-14.

Proprietary Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., May 22-24.

Society of Cosmetic Chemists, semi-annual meeting, Biltmore hotel, New York, May 15; semi-annual meeting, Biltmore hotel, New York, December 11.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, May 14; joint meeting with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-25.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 12-14.

DCAT Sets '53 Dinner

The Drug, Chemical and Allied Trades section of the New York Board of Trade will hold its 1953 annual dinner March 5 at the Waldorf-Astoria hotel, New York, Charles M. Macauley, president of both Charles M. Macauley & Associates, and DCAT, has announced.

Pest Control Parley May 12

The Canadian Pest Control Operators Association will hold its tenth annual conference May 12 to 14 at the University of Montreal, Montreal, Canada.

Plant Food Council Sets Parley Agenda

A record attendance of more than 500 fertilizer manufacturers and leaders in the fields of agriculture, education and government is expected at the seventh annual convention of the American Plant Food Council, to be held at The Homestead, Hot Springs, Va., June 19 to 22, council president Paul T. Truitt announced last week.

"The program for the 1952 convention is woven around the importance of fertilizer to the national welfare with emphasis on the major factors influencing the future of farming and the relationship of fertilizers to the food economy," Mr. Truitt said.

"The Department of Agriculture appropriately has emphasized that the world shaking events of the past year have speeded American agriculture over the threshold of a new era, an era which they emphasize 'might be called the fertilizer era'," he continued. "We heartily concur with the agricultural leadership in the observation that the present national emergency has pushed agriculture into a new phase of development in which the fertilizer industry will play its greatest role in history. With this thought in mind we believe the speakers at our 1952 convention will discuss in a down-to-earth fashion the far-reaching contribution the fertilizer industry will make to the nation's farmers."

Sen. Byrd to Speak

Sen. Harry F. Byrd will be the principal speaker at the banquet session of the convention on Saturday, June 21. The convention will head outstanding soil scientists, economists, farm organization, congressional and Department of Agriculture leaders at the morning sessions on June 20 and 21.

Speakers on Friday, June 20, will be Mr. Truitt, who will deliver the presidential address; Prof. C. J. Chapman, extension specialist, soils, University of Wisconsin, who will speak on "Pasture Improvement by Direct Fertilization"; Dr. H. F. DeGraff, H. E. Babcock, professor of food economics, Cornell University, on "Fertilizer's Relationship to the Food Economy." The first day will be concluded with the annual business session at which eight new members to the council's board of directors will be elected. Earlier in the program a memoriam ceremony will be held for council members deceased since the 1951 convention.

Rep. Cooley Slated

Rep. Harold D. Cooley, of North Carolina, chairman of the house committee on agriculture, will be the first speaker on the Saturday morning, June 21, program. Following will be a panel discussion on "Major Factors Influencing the Future of Agriculture" with Dr. Paul D. Sanders, Editor of "The Southern Planter," as moderator. Other panel members will be:—

Dr. Byron T. Shaw, administrator, Agricultural Research Administration, Department of Agriculture; O. V. Wells, chief,

—*Continued on page 82*

Aid to Pennsalt President

George T. Collins has been elected assistant to the president of the Pennslyvania Salt Manufacturing Company, Philadelphia. Previously he was manager of market research and recently has been engaged on special assignments having to do with long range company planning for the president's office.

Mr. Collins was with the Barrett Division of Allied Chemical & Dye Corporation before he joined Pennsalt in 1943.

Celanese Names KixMiller Manager of Chemical Div.

Richard W. KixMiller has been named general manager of the chemical division of Celanese Corporation of America. Previously, the division was under the direc-

Richard W. KixMiller

tion of J. D. Fennebresque, vice-president, who is being assigned broader duties within the corporation.

Mr. KixMiller, assistant general manager of the division for the last year, joined the company in 1946. During World War II, while with the navy, he was assigned to the Rubber Reserve Company, as assistant manager of research and development, in connection with the government's synthetic rubber program. Before that he was with Standard Oil Company (Indiana).

The company also announced that Dr. Leopold Eckler has been named general manager of the plastics division. W. Stuart Landes, vice-president in charge of the division, who recently completed thirty-one years of service with the company, is retiring July 1 for reasons of health. Dr. Eckler has been with Celanese since November 1948.

Proprietary Association Meeting Plans Revealed

The Proprietary Association's program for its seventieth annual meeting, to be held May 22 to 24 at the Greenbrier, White Sulphur Springs, W. Va., has been announced.

The first general session of the meeting will take place on the morning of May 22. Following the opening of the session by Lupton Patten, president of the association, committees will be appointed. Reports of the memorial and membership committees will be presented by A. K. Barta and Thomas B. Singleton, respectively. Hermon High will report for the national relations committee, while Stanley I. Clark will speak on behalf of the public relations committee. The report of the advisory committee on advertising will be made by Ben Duffy, and the finance committee's report will be delivered by James Hill, jr. Dr. Robert P. Fischelis, of the American Pharmaceutical Association, will discuss "A Century of Progress in American Pharmacy." Charles S. Beardsley and W. Paul Briggs will report on recent developments in the American Foundation for Pharmaceutical Education. Mr. Patten will give the president's annual report. The executive committee luncheon meeting will be held at 12:30 p. m. that day.

Scientific-Veterinary Discussion

The scientific section and the veterinary committee will hold a joint session on the afternoon of the twenty-second. Dr. I. W. Grote, chairman of the scientific section, and Steward B. Mein, jr., chairman of the veterinary committee, will serve as co-chairmen. Slated to speak are Dr. Lloyd W. Hazleton, of Hazleton Laboratories, Falls Church, Va., and Dr. H. E. Moskey, Food and Drug Administration. Dr. William Bickers, of the University of Richmond Medical School, Richmond, Va.,

—*Continued on page 60*

Packaging Parley Sept. 11-14

The Packaging Machinery Manufacturers Institute will hold its twentieth annual meeting September 11 to 14 at the Homestead, Hot Springs, Va., according to announcement by G. Radcliffe Stevens, institute president, who is president of Elgin Manufacturing Company, Elgin, Ill. Charles L. Barr, executive vice-president, F. B. Redington Company, Chicago, is chairman of the program committee for the meeting.

Zinc Institute Explores Output, Use Prospects

Nearby and long-range prospects for zinc production and consumption were explored at the thirty-fourth annual meeting of the American Zinc Institute, held in the Statler hotel, St. Louis, April 21 and 22.

Tom Lyon, director of the domestic expansion division of the Defense Materials Procurement Agency, led off the discussion by reporting on the DMPA program and its bearing upon future production. Prominent mining men contributed to the discussion by reviewing development and expansion in their respective mining areas. The sum of all reports indicated increased production in 1952.

William Black, assistant general superintendent of the American Zinc Company of Tennessee, stated that the future outlook for zinc ore production in the eastern states is very good. According to W. C. Page, general manager of Western operations for U. S. Smelting, Refining & Mining Company, the mines in Colorado, New Mexico, Arizona and Utah are capable of continuing for many years the current rate of zinc production in those states.

No Major Expansion Seen

Reporting on the future of zinc production from the mines in the Illinois, Wisconsin, Kentucky and Tri-State area, O. W. Bilharz, president of Bilharz Mining Company, and president of the Tri-State Mining Association, stated that moderate increases in output would be realized as scheduled, but no major development or expansion is in sight.

F. A. Linforth, assistant to the vice president, Anaconda Copper Mining Company, Butte, Mont., stated that Butte is now entering a period of the largest mine production that it has ever had and that zinc will be in the most prominent position that it has ever been.

Jess Larson, administrator of the Defense Materials Procurement Agency, discussed the policies and objectives of this Washington agency and its progress toward the establishment of the various commodity programs which seek to provide a sufficiency of minerals and other materials for the defense effort and the civilian economy.

Zinc and Government Controls

E. L. Shaner, editor-in-chief of "Steel," reported on the general outlook for metals and John Sellon, deputy director of the tin, lead and zinc division, National Production Authority, discussed zinc and government controls. Mr. Sellon stated that preliminary steps are under way in preparation for the anticipated revocation of zinc controls.

Slab zinc production and consumption in 1952, as reviewed by C. R. Ince, vice-president of St. Joseph Lead Company, pointed up the increasing trend toward a favorable balance between supplies and requirements, with domestic production and imports geared to take care of all demands during the balance of the year. J. L. Hamilton, jr., of the Granite City Steel Company, spoke on the outlook for galvanized sheet steel, the production of which he predicted will increase in 1952

—*Continued on page 75*

FEMA Draws Up Agenda For 43rd Annual Convention

The Flavoring Extract Manufacturers Association has drawn up program plans for its forty-third annual convention, to be held May 25 to 28 at the Edgewater Beach hotel, Chicago.

Among the speakers scheduled are Victor H. Gies, vice-president in charge of sales and advertising, Mars, Inc.; Professor Paul S. Lucas, dairy department, Michigan State College; Dr. William B. Bradley, scientific director of the American Institute of Baking; Don Grimes, president, International Grocery Association, and H. B. Cosler, general products division, US Quartermaster Corps. Mr. Grimes will discuss "Trends in the Retail Grocery Field," while Mr. Cosler will outline the requirements of flavorings used in food products sold to the Quartermaster Corps for the armed services.

Robert H. Bingham, research economist for the Grocery Manufacturers of America, will talk on "Price Control Problems and Prospects." Thomas O'Malley, regional director, wages and hours division, Department of Labor, will discuss "Wages and Hours" and the application of this legislation. Dr. Clarke E. Davis will speak on the "Industry's Supply Outlook," while John S. Hall, FEMA counsel and executive secretary, will review the industry's legal and legislative problems. Roy C. Newton, vice-president and technical director of Swift & Co., will talk on "Chemicals in Foods."

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Originators and Developers of the AMPIN® for Automatic, Subcutaneous and Intramuscular Injection

Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, April 25 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).

Acenaphthene below 92.5 C., m.p., dms. works lb. .40 - —
over 92.5 C., m.p. dms., works lb. .50 - —

Acetaldehyde, 99%, dms., c.l., frt. equald lb. .1250- .1435
l.c.l., frt. equald lb. .1350- .1535
tanks, frt. equald lb. .1050- .1300

Acetaldol (see Aldol).

Acetanilide tech., bbls., c.l., dlvd. lb. .25½ .26½
l.c.l., ton lots lb. .26½ .27½
smaller lots lb. .29½ .30½
USP, bbls., 2,000-lb. lots lb. .61 - —
smaller lots lb. .62 - .67

Acetic anhydride, dms., c.l., frt. alld. E lb. .16 - —
l.c.l., frt. alld. E lb. .17½- —
tanks, frt. alld. E lb. .14½- —

Acetoacetanilide, fib. dms., c.l. dlvd. lb. .73 - —
l.c.l., dlvd lb. .74 - —

Acetoacetorthochloroanilide, fib. dms., c.l., dlvd lb. 1.14 - 1.22
l.c.l., dlvd lb. 1.15 - 1.23

Acetoacetorthotoluidide, fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —

Acetone, CP, dms., c.l., dlvd lb. .10¼- .11¾
l.c.l., dlvd lb. .11 - .12½
tanks, dlvd lb. .08½- .10

Methyl (see M)

Acetonitrile, dms., c.l. works lb. .45 - —
l.c.l., works lb. .47 - —

Acetophenetidin, USP, bbls., works, frt equald lb. 1.15 1.38

Acetophenone, cns. dms lb. 1.35 1.85
tech., dms., l.c.l., works lb. .75 —

Acetyltributyl citrate, tech., dms., c.l. lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —

Acetyltriethyl citrate, tech., dms., c.l lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —

Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390- —
cryst., dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - .07½

Acetic, com'l or redist., 28%, bbls. 100 lbs. 5.50 - —
56%, bbls 100 lbs. 9.65 - —
70%, bbls 100 lbs. 11.70 - —
80%, bbls 100 lbs. 12.45 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.00 -16.00
cbys., inclusive, works 100 lbs. 24.00 -25.00
tech., dms., c.l., works 100 lbs. 10.50 -12.50
l.c.l., bbls., works 100 lbs. 11.00 -13.50
tanks, works 100 lbs. 9.00 -11.50
USP, dms., works 100 lbs. 13.50 -14.50

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .60 - —
standard, fine cryst., gran., (30-40 mesh) powd. (60 mesh), bbls same basis, lb. .55 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .30½- —

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75

Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls., frt. equald lb. 1.10 - —

Arsenous, tech (see Arsenic, white).

USP (see Arsenic trioxide).

Ascorbic, USP, dms., 25-50 kilo lots kilo. 24.50 - —
10-kilo lots kilo. 24.85 - —
5-kilo lots kilo. 25.25 - —
bots., kilo, lots kilo. 25.50 - —
500-gram lots kilo. 26.00 - —

Battery, cbys., c.l., works, E. 100 lbs. 2.40 —
l.c.l., works, E 100 lbs. 2.80 - 3.20

Benzoic, tech., bbls., dms., 100 lbs. or more lb. .425 - .450
USP, bbls., dms., 100-lb. lots or more lb. .525 - .540

Betahydroxynaphthoic (see Acid, betaoxynaphthoic).

Betaoxynaphthoic, bbls., works lb. 1.35 - 1.39

Boric, tech., 99½%, cryst., bgs., c.l., works ton. 120 75 - —
ton lots, ex whse., N. Y. or Chi. ton. 166.50 - —
less ton lots, same basis, ton. 171.50 - —
bbls., c.l., works ton. 145.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 191.00 - —
less ton lots, same basis, ton. 196.00 - —
bulk, c.l., works ton. 116.75 - —
gran., bgs., c.l., works ton. 95.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 141.50 - —
less ton lots, same basis, ton. 146.50 - —
bbls., c.l., works ton. 120 25 - —
ton lots, ex whse., N. Y. or Chi. ton. 166.00 - —
less ton lots, same basis, ton. 171.00 - —
bulk, c.l., works ton. 91.75 - —
powd., bgs., c.l. works ton. 100.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 146.50 - —
less ton lots, same basis, ton. 151.50 - —
bbls., c.l., works ton. 125.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 171.00 - —
less ton lots, same basis, ton. 176.00 - —
bulk, c.l., works ton. 96.75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.47 - —

Acid, butyric, 99% dms., c.l., works, lb. .38 —
l.c.l., works lb. .38½ —
tankcars, works lb. 36½ —

Cacodylic, bots lb. 10.50 13.00

Camphoric, natural, dms lb. 4.00 4.75
synth., dms lb. 4.00 4.75

Capric, 90%, dms, l.c.l lb. .35½ —

Caprylic, 90%, dms, l.c.l lb. .35½ —

Cassello, dms, frt alld lb 1.44 —

Castor oil, split, dms lb. .33¼ .33¾

Chicago, bbls., frt alld lb 3.21 —

Chlorosulphonic, dms., c.l., frt. equald lb. 039 —
l.c.l., frt. equald lb. 044 .059
tanks, frt. equald lb. .034 —

Chromic, 99½-99¾%, dms., c.l. works lb. .27 - —
l.c.l., works lb. .27½- .28½

NF (see Chromium trioxide)

Cinnamic, refd., bots lb. 2.50 3.50

Citric, anhyd., gran., fine gran., dms., c.l. lb. 26½ —
10,000-lb. lots, 1 ship't. lb. .27 - —
smaller lots lb. 27½ —
kgs. lb. .28½ —

Anhydrous citric acid powder ½c per lb. higher.

USP, cryst., dms, c.l. lb. 27½ —
10,000-lb. lots, 1 ship't. lb. .28 - —
smaller lots lb. .28½ —
kgs. lb. .29½ —
gran., fine gran., dms., c.l lb 24½ —
10,000-lb. lots, 1 ship't. lb 25 —
smaller lots lb. .25½ —
kgs. lb. .26½ —

USP citric acid powder ½c. per lb higher

Cleve's, mixed, bls lb. 79 —

Coconut oil, dist., dms lb. .17 .18¼
double dist., dms lb. .18½ .19¾

Cottonseed oil, dist., dms lb. .1050- .1175
double dist., dms lb. .1100- .1225

Cresylic coaltar, dom. 50% above 207°C, non-ret. dms., c.l. frt equald gal. 1.31 1.36
l.c.l., same basis gal. 1.34 1.49
ret. dms., c.l., same basis gal. 1.28 —
l.c.l., same basis gal. 1.33 —
tanks, same basis gal. 1.20 1.25
204° to 207° C non-ret dms., c.l., same basis gal. 1.36 - —
l.c.l., same basis gal. 1.39 —
ret. dms., c.l. same basis, gal. 1.33 —
l.c.l., same basis gal. 1.38 —
tanks, same basis gal. 1.25 —
imp., 75% at 215°C. or over, dms., ex whse gal. 1.15 - 1.25
petroleum, dom. 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 71 —
l.c.l., same basis gal. 73 - .75
tanks, same basis gal. .58 —

Acid, cresylic, petroleum, dom., 200° C to 222° C, tanks, Wilmington, Cal gal. .58 .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 —
l.c.l., same basis gal. 65 .67
tanks, same basis gal. .50 —
220° C to 242° C, tanks, Wilmington, Cal gal. .50 .53
245° C to 298° C, tanks, Wilmington, Cal gal. .46 —

Crotonic, fib dms., works lb .31 —

Cyanoacetic, tech., bbls lb .90 1.25

Desoxycholic, bots lb 22.00 25.00

Dichlorophenoxyacetic (see under "D" 2,4-D).

Diethylbarbituric (see Barbital)

Digiycolic, bgs, works lb 14 —

Ethylhexoic, dms., c.l., works lb. .35 —
l.c.l., works lb. .35½ —
tanks, works lb. .33½ —

F, crude, paste, bbls., works lb 1.07 —

Folic, bots, fib cns., kilo or more gram. 1.60 — .

Formic, 85%, cbys., c.l., works lb. .142 .17
l.c.l., works lb 14½ .22
90%, cbys., c.l., works lb. .1475 .1750
l.c.l., works lb. .15 .23½

Fumaric, ech, bbls, dms lb .37 .38

Gallic, NF VII, bbls., 1.000-lb. lots lb 1.80 —
smaller lots lb 1.82 2.00
technical, bbls., 1,000-lb lots lb 1.58 —
smaller lots lb. 1.69 - 1.78

Gamma, dry ground, bbls., frt. alld lb 1.50 —
paste, bbls., frt. alld lb 1.45 —

Gentisic, 100-lb. fib dms lb 8.50 —

Gluconic, tech., 50%, bots lb. 23½ .31½
dms. lb. 14½ —
cbys. lb. .17½ —

Glumatic, 99½%, laevo, fib. dms., 100-lb. lots, works lb 2.45 2.53
25-lb. lots, works lb 2.60 2.68

Glycerophosphoric, 35%, dms., works lb 2.25 2.35

Glycolic (see Acid hydroxyacetic).

H, 100% basis, bbls., works lb. .82 —

Hydriodic, 1.50 s.g., cbys lb 2.67 —
1.70 s.g., cbys lb 2.98 —

Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .37 .43

Hydrochloric (see Acid, muriatic)

Hydrocyanic, cyls., works lb. 1.15 —
dilute, NF, 2%, 5-lb. bots lb. .40 —

Hydrofluoric, anhyd., cyls., works. lb. .24 .25
tanks, works lb. .18 —
70%, steel dms., works lb. .1535- .1955

Hydrofluosilicic, 30-35%, bbls., works lb. .07 —

Hydroxyacetic, tech., 70%, bbls., non-return., Phila., basis 100% lb. .12 - —
tanks, Belle, W. Va., basis 100% lb. .085 - —

Acid, hypophosphorous, purif., 50%, cbys lb. 1.30 - 1.32
USP, cbys lb. 68 —
J, bbls., works, 100% basis lb. 2.50 2.85
Koch, bbls, frt. alld lb. 64 .70
L, bbls frt alld lb. 1.25 —
Lactic edible 50% bbls., 20 or more lb. .17 .20
smaller lots lb. .17½ .21
80%, bbls., 5 bbls. or more lb. .30 .3540
less than 5 bbls lb. .305 .3690
plastic grade, 50% bbls., 20 or more, works lb. 21¾ —
1 to 19 lb. 22¼ 22¾
80%, bbls., 5 or more lb. .3815- —
tech., 22%, bbls., c.l., works, 100 lbs. 6.30 —
l.c.l., works 100 lbs. 6.70 - —
cbys., works 100 lbs. 7.20 -12.20
44%, bbls., c.l., works 100 lbs. 11.45 11.95
l.c.l., works 100 lbs. 11.85 -12.50
NF, 85% cbys lb. .85 .88
Laurent's, bbls lb. .60 .87
Lauric, 90-95%, dms lb. .24¾- .25¼
60%, dms lb. 18¾ .19¼
Linseed oil, dist., reg., dms lb. .2040- .2090
water-white, dms lb. .2340- .2390
Maleic, anhydride (see M).
powder, dms lb .37 .38
Malic, dms lb. .50 —
Mandelic, NF, dms, 1,000-lb. lots. lb 2.35 —
smaller lots lb. 2.40 2.50
Metanilic dms works lb .57 —
Methacrylic, dms., c.l., and truckloads, works lb. .76 —
less than truckload, works lb 76½ .80
Molybdic, dms 85-92% works lb. 1.40 1.55
Monochloroacetic, purified, flake, 99%, dms lb. .23¾ .24¾
tech., flake 96-97%, dms lb. .20¼ .21¼
Muriatic, 18° cbys., c.l., works. 100 lbs. 2.45 2.80
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 25.00 -29.00
20°, cbys., c.l., works 100 lbs 2.70 3.05
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 27.00 -33.00
22°, cbys., c.l., works 100 lbs 3.30 3.40
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton. 32.00 -36.00
CP, USP consumers, cbys., extra c.l., works lb. 11¾ —
l.c.l., same basis lb. 13¼ 13¾
5 pint bottles extra, cs., c.l., same basis lb. 16¾ —
l.c.l., same basis lb. .19¼- —
Acid, muriatic, CP, USP, prices to dealers, 1½c. per lb. less.
Myristic, dms lb. .24¾- .25¼
Naphthenic 220-230 acidity, dms., works lb. .14 —
tanks, works lb. .12 —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winthers)
Naphthol(1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. 1.05 —
Nicotinic, USP, dms., frt. adjusted kilo. 9.00 9.30
Amide (see Nicotinamide).
Nitric 36° cbys., c.l., works E. 100 lbs 5.00 —
l.c.l., works E 100 lbs. 5.30 -11.10
38° cbys., c.l., works E 100 lbs. 5.50 - —
l.c.l., works E 100 lbs. 5.80 -11.60
40° cbys., c.l., works E 100 lbs. 6.00 - 6.50
l.c.l., works E 100 lbs. 6.30 -12.10
42° cbys., c.l., works E 100 lbs. 6.50 - 7.00
l.c.l., works E 100 lbs. 6.80 -12.60
60% HNO_3, tanks, works, basis 100% 100 lbs. 3.25 - —
95% HNO_3, tanks, works, basis 100% 100 lbs. 4.25 - —
CP, NF, consumers, cbys., extra c.l., works lb. 13½- —
l.c.l., same basis lb. .15 - .15¼
5 pint bottles extra, cs., c.l., same basis lb. 17½ —
l.c.l., same basis lb. .19 - .25
Octoic (see Acid, Ethylhexoic).
Oleic, single distilled, dms lb. .12¼- .13¼
tanks lb. .10¾- —
double distilled (white), dms lb. .14¾- .16
tanks lb. .13¼- —
Oleum (see Acid sulphuric, fuming)
Orthochlorobenzoic, fib. dms., works lb. 1.13 - —
Orthocresotinic, dms., ton lots, works lb. .61 - —
smaller lots, works lb. .68 - —
Oxalic, bbls., c.l., works lb. .1575- .1590
10,000 lbs., works lb. .16 - .1615
smaller lots, works lb. .17 - .1715
Palm oil, white, dist., dms lb 16¼ - .17
Para-aminobenzoic, tech., dms lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 3.60 - —
smaller lots lb. 3.70 - 4.00
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.45 —
smaller lots, same basis lb. 4.50 - 4.95
Parachlorobenzoic, fib. dms., works lb. 1.50 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, bots lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots lb .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, Phenylglycollic Acacia—

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	NF.	National Formulary
alld.	allowed	dist.	distilled	nom.	nominal
ammo.	ammonia	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz.	ounce
anhyd.	anhydrous	dms.	drums	Pac.	Pacific
a.p.a.	available phosphoric acid	dom.	domestic	pf.	proof
		E.	east	phos.	phosphate
artif.	artificial	e.p.	end point	photo.	photographic
ASTM.	American Society for Testing Materials	equald.	equalized	pkgs.	packages
		F	fahrenheit	powd.	powdered
		ferment.	fermentation	precip.	precipitated
		ffa.	free fatty acid	prod.	producer
Be.	Baume	ffc.	free from chlorine	pt.	point
bgs.	bags			pulv.	pulverized
bbls.	barrels	fib.	fiber	purif.	purified
bls.	bales	f.o.b.	free on board	redist.	redistilled
bots.	bottles	FPA.	free of prussic acid	refd.	refined
b.p.	boiling point			refy.	refinery
b.p.l.	bone phosphate of lime	frt.	freight	reg.	regular
		fus.	fused	resub.	resublimed
b.r.	boiling range	gal.	gallon	ret.	returnable
bxs.	boxes	gran.	granular	SD.	specially denatured
C.	centigrade	grd.	ground		
cbys.	carboys	i.&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured	i.b.p.	initial boiling point	S. E.	southeast
		imp.	imported	secs.	seconds
c.i.f.	cost insurance, freight			s.g.	specific gravity
		incl.	included	ship't.	shipment
cks.	casks	indust.	industrial	solut.	solution
c.l.	car lots	kgs.	kegs	s.u.	standard unit
cns.	cans	lacq.	lacquer	synth.	synthetic
col.	color	lb.	pound	tanks.	railroad tankcars
com'l	commercial	l.c.l.	less than car lots		
conc.	concentrated	liq.	liquid	tech.	technical
CP.	chemically pure	m.a.p.	mixed anilin point	USP.	U. S. Pharmacopoeia
cps.	centipoises	M c.f.	thousand cubic feet	vis.	viscosity
cryst.	crystal			VM&P	varnish makers & painters
cs.	cases	min.	minimum		
ctns.	cartons	m.p.	melting point	W	west
cyls.	cylinders	N.	nitrogen	whse.	warehouse
dbl.	double	nat.	natural	w.w.	water white
denat.	denatured				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

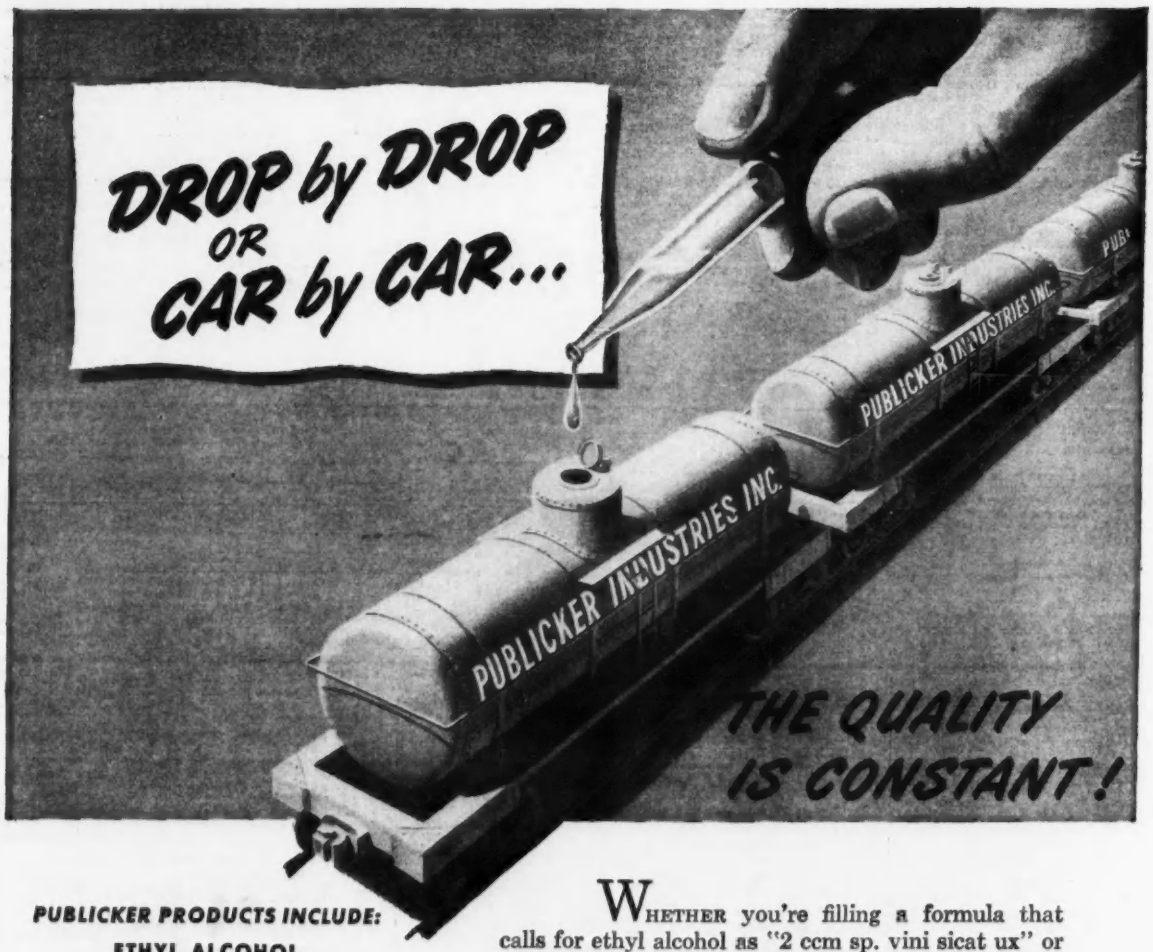
Acid, Phosphoric—Aldrin

Acid, phosphoric, food grade, 75%, cbys., c.l. works 100 lbs. 7.00 - 7.10
i.c.l., works, frt. alld. 100 lbs. 7.50 - 8.00
tanks, works 100 lbs. 4.90 - 5.00
NF, 85%, cbys., c.l., works lb. .08 - .08¼
i.c.l., works lb. .08½- .09¼
Picric, NF 300-lb. bbls. lb. .55 - —
small dms. lb. .81 - .87
tech., bbls lb. .32 - .33
Propionic, synthetic pure, dms., c.l., works lb. .258 - —
i.c.l., works lb. .263 - —
tanks, works lb. .19 - .243
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb. 2.76 - 2.99
Pyroligneous, dms., incl., i.c.l. works gal. .38 - —
whse. gal. .504 - —
Ricinoleic (see Acid castor oil, split).
S, bbls., works lb 3.25 - —
Salicylic, crude, bgs lb. .35 - —
sublimed, tech., bbls., c.l. lb. .37 - —
i.c.l. lb. .44 - —
dyestuffs grade, bbls lb. .39 - —
USP, cryst., bbls lb. .46 - —
powder, bbls lb. .51 - —
Sebacic, purified, dms., c.l., works lb. .90¾- .94
i.c.l., works lb. .92¾- .94½
Soybean oil, double dist., dms. lb. .12½- .13½
single dist., dms lb. .11¾- .13
Stearic, double pressed, bgs lb. .11 - .12¼
single-pressed, bgs lb. .10½- .11¾
triple-pressed, bgs lb. .13¼- .14½
Succinic, purified, cryst., bbls., works lb. .63 - .75

Acid, sulphanilic, tech., dms., c.l., frt. alld lb. .18 - —
i.c.l., frt. alld lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
i.c.l., works 100 lbs. 2.05 - 2.85
tanks, works ton.16.30 - —
66° Be, cbys., c.l. works 100 lbs. 2.00 - 2.10
i.c.l., works 100 lbs. 2.30 - 3.10
tanks, works ton.20.00 - —
96-100%, tanks, works ton.21.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald. lb. .09¾- —
i.c.l., same basis lb. .11¼- .11¾
5 pt. bottles, extra, cs., c.l., works, frt. equald lb. .13¼- —
i.c.l., same basis lb. .14¾- .20¾
fuming, 20%, tanks, works ton.22.40 - —
Tallow, dist., dms lb. .09¼- .10½
hydrogenated, dms lb. .10½- .11¾
Tannic, NF, USP XIII, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 - 1.76
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.51 - 1.69
tech., dms lb. .95 - —
Tartaric, USP, dom., 230, 250-lb. dms., 10,000-lb. lots, 1 ship't lb. .45½- —
smaller lots lb. .46 - —
100-lb. dms lb. .47 - —
small dms lb. .49 - .53
imported, bgs lb. .36 - .40
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic, dms., c.l., works works lb. .16 - —
i.c.l., works lb. .17½- —

Acid, trichloracetic, bots lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2.4.5-T).
Tungstic, tech., kgs., works lb. 4.30 - —
Undecylenic, dms. lb. 1.40 - —
Aconite leaves, bls lb. .25 - .35
Root, bls lb. .55 - .60
Aconitine, amorph., mild, bots oz.27.50 -32.50
cryst., potent, bots oz.78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .44½- —
i.c.l., works lb. .45 - .47
tanks, works lb. .43 - —
ACTH, bots gm.40.00 - —
Adeps lanae (See Lanolin).
Adonis vernalis herb, bls lb. 22 - .24
Adrenocorticotropic hormone—see ACTH
Agar, USP, Kobe No. 1 strip, bls. lb. 1.25 - 1.50
powdered, 30 mesh, fib. dms lb. 1.60 - 1.85
Agaric, white, bls lb. 2.25 Nom.
Agrimony herb, bls lb. .25 - .30
Alanine dextro-laevo, dms., works. lb. 6.50 -11.00
Albumen (egg) edible, flake, bbls., lb. 1.46 - 1.48
powd., bbls lb. 1.50 - 1.52
tech, cryst., bbls lb. 1.00 - 1.08
Albumin, blood, dark (see Blood. dried, soluble).
light, dms., i.c.l. lb. .70 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
i.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld. E. Miss lb. .21 - —
i.c.l., frt. alld. E. of Miss lb. .22 - —
tanks, frt. alld. E. of Miss lb. .19 - —

Alcohol, amyl, fermentation, refd., 126-132°C, dms., c.l., dlvd. lb. .33¾- —
i.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132° C., dms., i.c.l., dlvd. lb. .36½- —
ACS grade, dms., i.c.l., dlvd lb. .38½- —
Benzyl, NF, dms lb. .64 - .80
tech., dms., dlvd lb. .47½- .49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .17¾- .29¾
i.c.l., frt. alld lb. .18½- .30¾
tanks, frt. alld lb. .16 - .28
synthetic, normal, dms., c.l., frt. alld lb. .17¾- —
i.c.l., frt. alld lb. .18½- —
tanks, frt. alld lb. .16 - —
secondary, dms., c.l., frt. alld. lb. .12¾ - .14¾
i.c.l., frt. alld lb. .13½- .15½
tanks, frt. alld lb. .11 - .13
tertiary, dms., c.l., frt. alld. lb. .13¾- —
i.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .15 - —
i.c.l., works lb. .15½- —
tanks, works lb. .13½- —
95%, dms., c.l., works lb. .16½- .20¼
i.c.l., works lb. .17 - .22¾
tanks, works lb. .15 - .20¼
Cetyl, extra, fib., cns., 500-lb. lots or more lb. 1.32 - —
smaller lots lb. 1.37 - —
NF, fib, cns., 140-lb. lots or more lb. .72 - .95
smaller lots lb. .72 - 1.00
Cinnamic, bots lb. 2.25 - 3.20
Decyl, bots lb. 1.70 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies gal. .87 - —
i.c.l., dlvd., same basis gal. .91 - .96
tanks, dlvd., same basis gal. 75 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .69½- .88
i.c.l., same basis gal. .73½- .97
tanks, same basis gal. .57½- 76
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Rockies gal. .88 - —
i.c.l., same basis gal. .92 - .97
tanks, same basis gal. .57½- 76
SD2B, dms., c.l., dlvd. E. of Rockies gal. .88 - —
i.c.l. same basis gal. .92 - .97
tanks, same basis gal. .56 - 76
SD3A, dms., c.l., dlvd. E. of Rockies gal. .86 - —
i.c.l., same basis gal. .90 - .95
tanks, same basis gal. .56 - 74
SD23A, dms., c.l., dlvd., E. of Rockies ga.. .86½- .87
i.c.l., same basis gal. .90½- .96
tanks, same basis gal. .71½- .75
SD23H, dms., c.l., dlvd. E. E. Rockies gal. .87 - —
i.c.l., same basis gal. .91 - .96
tanks, same basis gal. .58 - .75
SD27A, dms., c.l., dlvd. E of Rockies gal. 1.34½ 1.48½
i.c.l., same basis gal. 1.38½ 1.57½
tanks, same basis gal. 1.22½ 1.36½
SD29, dms., c.l., dlvd E of Rockies gal. .88½ —
i.c.l., same basis gal. .92½ .97½
tanks, same basis gal. .76½ —
SD30, dms., c.l., dlvd. E of Rockies gal. .84½ —
i.c.l., same basis gal. .88½ .93¼
tanks, same basis gal. .72½ —
SD35A, dms., c.l., dlvd. E of Rockies gal. .89½ —
i.c.l., same basis gal. .93½ .98½
tanks, same basis gal. .61½ .77½
SD40, dms., c.l., dlvd E of Rockies gal. .88½ —
i.c.l., same basis gal. .92½ .97½
tanks, same basis gal. .58 .76½
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
i.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
i.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP tax paid, dms., c.l., dlvd. E. of Rockies gal.20.82 - —
i.c.l., same basis gal.20.86 -20.91
tanks, same basis gal.20 70 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .87 - —
i.c.l., same basis gal. .91 - .96
tanks, same basis gal. .55 - .75
absolute, 200 pf., tax paid, dms., c.l., dlvd. E of Rockies. gal.21.94 - —
i.c.l., same basis gal.21.98 -22.03
tanks, same basis gal.21 82 - —
Ethylbutyl, dms., c.l., works lb. .29¼- .29¼
i.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E lb. .30½- —
i.c.l. same basis lb. .31½- —
tanks, same basis lb. .29 - —
Furfuryl, tech., cns., works lb. .31 - —
dms., c.l., works lb. .22½- —
i.c.l., works lb. .24 - —
tanks, works lb. 19½- —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .17 - .17½
i.c.l., works lb. .17¾- .18½
tanks, dlvd. lb. .15¼- .15½
Iso-octyl, dms., c.l., works lb. .29¼- —
i.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl refd., 91%, dms., incl., c.l., dlvd gal. .5050- .5225
i.c.l., dlvd. gal. .5550- .5640
tanks, dlvd gal. .3850- —
95% dms., incl., c.l., dlvd gal. .52¾- .53
i.c.l., dlvd gal. .57¾- .58
tanks, dlvd gal. .40¾- .41
99% dms., incl., c.l., dlvd gal. .55 - .56¾
i.c.l., dlvd gal. .60 - .61
tanks, dlvd gal. 43 - —
Lauryl bots lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isohutyl)
Octyl, perfumer's grade, bots lb. 1.70 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, dms lb. 1.57 2.15
Polyvinyl, various grades, bgs., ton lots, works lb. .72½- 76
smaller lots works lb. .77½- .81
Propyl, normal, dms., c.l., dlvd. lb. .13 - —
i.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .49½- —
dms., Niagara Falls, N. Y. lb. .42½- —
i.c.l., Waverly, N. Y. lb. .45 - —
tanks, Niagara Falls, N. Y lb. .40 - —
industrial grade, dms. c.l., Niagara Falls, N. Y lb. .29 - —
i.c.l., Waverly N. Y lb. .30 - —
tanks, Niagara Falls, N. Y lb. .27 - —
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. .93 - —
i.c.l., works, frt. alld lb. 1.05 - —



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Aletris Root—Amyl Alcohol

Aletris root, bgs ..... lb 1.35 - 1.40
Alizarin (see Red alizarin).
Alkanet, root, bgs ..... lb. .30 - .50
Allethrin, 100% dms., works .. lb 42.50 - —
90%, dms., works ..... lb 38.25 - —
solution, 20%, dms., 100-lb. lots works lb 8.55 - 9.55
2½%, dms., works ..... gal. 7.55 - —
Allspice (see Pimento).
Allyl, bromide, chys., works .... lb 1.35 - 1.40
Chloride, dms., c.l. dlvd ..... lb .16¾ - —
l.c.l., dlvd. ..... lb .17½- —
tanks, dlvd ..... lb .15 - —
Starch, solid, dms., works .... lb. .52¾- .54¾
solution, 40% toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs ..... lb. .35 - .36
powdered, cs. ..... lb. .40 - .41
Curacao, kegs ..... lb 60 - 65
Socotrine kegs ..... lb 25 - 35
Aloin, USP, hb's., dms., kgs ... lb. 4.25 - 4.70
Alphanaphthol, bbls. frt. alld lb. .85 - —
Alphanaphthylamine, bbls. frt. alld. lb. 45 - —
Alphanaphythylthiourea, 93-98%, fib. dms., works, frt. alld lb 2.00 - 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works. frt. equald. lb. .39½- .49⅛
l.c.l., works, frt. equald ..... lb. .40 - .50
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol dms. l.c.l. dlvd. E. lb. .17 - —
Alphatocopherol, bots. ..... kilo 350.00 - —
Acetate, bots. ..... kilo 350.00 - —

Althea root, NF, peeled, bls .... lb. .20 - .33
Alum ammonium, gran., bgs., works .100 lbs. 3.80 - —
lump, dms., works ... 100 lbs. 4.55 - 4.95
powd., dms., works ... 100 lbs. 4.70 - 5.10
USP, burnt, dms ..... lb. .20 - .21
hydrous, dms ..... lb. .07¾- .08
Potassium, gran., bgs., works, 100 lbs. 4.05 - —
lump, dms., works ... 100 lbs. 4.80 - 5.20
powd., dms., works ... 100 lbs. 4.95 - 5.35
USP, burnt, dms ..... lb. .20 - .21
hydrous, dms ..... lb. .07¾- .08
Potash-chrome, dms ..... lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l., works ..... 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385- —
l.c.l., works ..... lb. .0425- .0550
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .15 - —
l.c.l., works, frt. equald. lb. .15½- —
cryst., dms., c.l., works .... lb. .1030- —
l.c.l., works ..... lb. .1070- —
solution, 32°, chys., c.l., works. lb. .0369- —
l.c.l., works .... lb. .0435- .0960
tankcars, works .100 lbs. 2.80 - —
NF, gran., dms., works ..... lb. .29 - .31
Fluoride, tech., anhyd., bbls., c.l., works lb. .11½- —
l.c.l., works ..... lb. .14½- —
Formate, basic solution, chys lb. .09½- —
l.c.l., works ..... lb. .10 - —

Aluminum hydrate, heavy, bgs., c.l., frt. equald ..ton.60.00 - —
l.c.l., works ..... ton.65.00 -85.00
light, bgs., dlvd ..... lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15%, Al_2O_3, fib. dms., works. lb. .24 - —
contract, works .... lb. .23 - —
9-9½%, Al_2O_3, fib. dms., works lb. .20 - —
contract, works .... lb. .19 - —
dried, USP, XIV, fib. dms., works. lb. .82½- —
contract, works ..... lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls ..... lb. .44 - —
Metal, 99%+, ingots, 10,000-lb. lots. lb. .19 - —
pigs, 10,000-lb. lots ..... lb. .18 - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour classified, 8-240 mesh, dms. frt. alld lb. .14 - .15
kgs. ton frt. alld .. lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld ..... lb. .31 - —
500 mesh, dms. frt. alld. lb. .35 - .37
kgs., frt. alld ..... lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld ..... lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .38 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld ..... lb. .15 - —

Aluminum paste, lining, extra-fine, dms. lb. .59½- —
standard, dms ..... lb. .41 - —
Powder, lining, extra fine, dms. lb. .97½- —
standard, dms ..... lb. .68½- —
rubber grade, dms ..... lb. .58½- —
unpolished standard, dms .... lb. .54½- —
varnish standard, dms ..... lb. .59 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., dms., frt. alld. lb. .26½- —
Stearate, dibasic, ctns., c.l .... lb. .33 - —
ton lots or less ..... lb. .34 - —
monobasic, ctns., c.l ..... lb. .33 - —
ton lots or less ..... lb. .34 - —
tribasic, ctns., c.l ..... lb. .33 - —
ton lots or less ..... lb. .34 - —
Sulphate, com'l, bulk c.l., works. 100 lbs. 1.65 - —
ground, bgs., works ..... ton.33.00 - —
lump, bgs., works ..... ton.36.00 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs 3.25 - —
l.c.l., works, frt. equald 100 lbs. 3.65 - 6.15
USP, gran., dms., works .... lb. .29 - .50
powd., dms., works ..... lb. .36 - .38
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots ..... oz. 8.00 -10.00
Ambrette seed, bgs ..... lb. .65 - .66
Aminoazotoluene, bbls ..... lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., works lb. .47 - —
l.c.l., works ..... lb. .47½- —
tanks, works ..... lb. .45 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminophyllin, USP, 100-lb. dms .. lb. 4.85 - —
Aminopyrine, USP, bots., dms lb 6.00 - 6.15
Ammonia anhydrous, fertilizer, tanks, works ton.79.00 -80.00
pure, cyls., extra, zone 1 ... lb. .17 - .17½
2 ..... lb. .17 - .18
3 ..... lb. .17 - .19
4 ..... lb. .20 - .21
5 ..... lb. .16 - .19
refrigeration, tanks, works ton.80.00 -82.50
Aqua (29.4% NH_3), dms., c.l., dlvd. Met. area .. 100 lbs. 3.60 - —
l.c.l., works ..... 100 lbs. 4.00 - —
tanks, works, anhyd. basis ton.80.00 -86.00
Ammoniac gum (see Gum ammoniac).
Sal, gray, bgs., c.l., works, frt. equald. 100 lbs. 8.25 - —
l.c.l., same basis .... 100 lbs. 8.65 -11.15
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works ..... 100 lbs. 6.50 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton.75.00 -80.00
Ammonium acetate, purified, dms. lb. .43 - —
Benzoate, USP, dms., kgs., 4,000 lb. lots, frt. alld. lb. .80 - —
smaller lots, frt. alld ..... lb. .81 - 1.08
Biborate, bbls., c.l., works .... ton.312.00 - —
ton lots, ex whse ..... ton.375.00 - —
less ton lots, ex whse .... ton.380.00 - —
Bicarbonate, dom., dms., c.l., works. lb. .06 - —
l.c.l., works ..... lb. .07 - —
imported, dms., l.c.l ..... lb. .07¼- .08⅛
Bichromate, bbls., works ..... lb. .33 - .38
Bifluoride, dms., dlvd ..... lb. .18¾- .19¾
Bromide, gran., NF, bbls ..... lb. .38 - .39
dms. ..... lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms ..... lb. .19 - —
Citrate, dibasic, bbls ..... lb. .75 - —
dms. ..... lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms ..... lb. 2.40 - —
Iodide, NF, bots., jars ..... lb. 4.01 - 4.13
Linoleate, 80%, dms., works .... lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point. ton.72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton.83.02 - —
domestic, bgs., western works ton.64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va. ton.51.00 - —
Oleate, 75%, dms., works ..... lb. .55 - .60
Oxalate, fine gran., dms ..... lb. .25 - .31
Pentaborate, gran., bbls., c.l., works. ton.222.00 - —
ton lots, ex whse ..... ton.285.50 - —
less ton lots, ex whse ..... ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works .... lb. .50 - .75
Persulphate, kgs ..... lb. .30 - .35
Phosphate, com'l, bgs., c.l., works. lb. .08¼- —
l.c.l., works ..... lb. .08¾- —
dibasic, NF, V, bbls., dms . lb. .45 - —
tech., bgs., c.l., works .... lb. .08 - —
l.c.l., works ..... lb. .08½- —
Salicylate, NF, dms., kgs ..... lb. 1.62 - 1.64
Silicofluoride, dms., works .... lb. .14 - —
Sulphamate, bbls. dms. works. lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens. ton.40.00 -45.00
synthetic, bgs., tanks ..... ton.54.50 - —
bulk, works ..... ton.51.50 - —
purified, dms., works ..... lb. .07½- .08⅛
Sulphide, liq., 40-45%, dms., c.l., basis 100%, works. ton.211.50 - —
l.c.l., basis 100% works. ton.312.50 - —
tanks, dlvd. or frt. alld ... ton.181.50 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .18 - —
l.c.l., works ..... lb. .19 - .30
Thioglycollate, com'l, chys., 100% basis lb. 1.60 - —
highly purified, chys., 100% basis lb. 1.70 - 1.96
Thiosulphate cryst., photo grade, fib. dms., frt. alld. lb. .65 - —
Amphetamine citrate dextro, bots. lb.36.00 -40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Hydrochloride, dibasic, dextro, bots lb.36.00 -40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
monobasic, dextro, bots ..... lb.36.00 - —
Phosphate, dibasic, dextro, bots. lb.36.00 -40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Sulphate, dextro, dms ..... lb.36.00 -40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd. lb. .19¾- .30¾
l.c.l., dlvd ..... lb. .20¾- .31⅛
tanks, dlvd ..... lb. .18 - .29
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .21½- —
l.c.l., same basis ..... lb. .22½- —
tanks, same basis ..... lb. .19½- —
Alcohol (see Alcohol, amyl).

in paper manufacture — Only a small amount of Tributyl Phosphate is required — usually less than 0.1% by weight based on the solids, depending on the application involved. Thus, a minimum of Tributyl Phosphate remains in the final product with no residual odor. Because of its high efficiency, Tributyl Phosphate is the preferred anti-foam in the paper industry.

tributyl phosphate

ANTI-FOAM AGENT

Tributyl Phosphate is an odorless, colorless liquid, Is miscible with most common organic solvents, and is a good solvent for a variety of other materials. It has a surprisingly low melting point for such a high-boiling liquid.

for synthetic latex paints

Addition of a fraction of 1% (based on solids) to this type of paint reduces foaming during application and improves the leveling characteristics of the paint film. Synthetic latex paints sometimes tend to coagulate during application and Tributyl Phosphate minimizes this tendency.

other uses—Tributyl Phosphate has helped solve many industrial foam problems encountered in the manufacture of such products as—inks, textile sizings, casein solutions, water-soluble adhesives, and rubber latex. For further information, write Industrial Chemicals Division, Commercial Solvents Corporation, 17 East 42nd St., New York 17, N. Y.

SPECIFICATIONS

Specific Gravity at 20°/20°C.....0.973 to 0.983
Acidity as Phosphoric Acid, max.....0.05% by wt.
Water, naphtha test .....None
Color.....Water-white

PROPERTIES OF COMMERCIAL GRADE MATERIAL

Boiling Point at 27 mm. of mercury .....177°-178°C
Melting Point.....Below—80°C
Flash Point, Cleveland Open Cup: 294°F
Viscosity at 25°C.....3.41 centipoise at 85°F.....38.6 Saybolt seconds
Dielectric Constant at 30°C.....7.97
Weight per U. S. Gallon..... .....8.13 pounds at 68°F
Solubility in Water..... .....0.6% by volume at 25°C
Solubility of Water in Tributyl Phosphate ....Approx. 7% by volume at 25°C

INDUSTRIAL CHEMICALS DIVISION

CSC

COMMERCIAL SOLVENTS CORPORATION

ACIDS • ALDEHYDES • ALCOHOLS • ESTERS • AMINES • AMINO ALCOHOLS
NITROGEN COMPOUNDS • NITRO COMPOUNDS • SOLVENTS • PLASTICIZERS • INTERMEDIATES

Amyl butyrate, dms ..... lb. .90 - 1.05
Cinnamic aldehyde, dms ..... lb. 1.80 - 2.10
Nitrite, USP, bots ..... lb. 1.75 - 1.83
Salicylate, cns., dms ..... lb. .77 - .95
Anethol, NF, cns., dms ..... lb. 1.30 - 1.60
Angelica root, dom., bls ..... lb. .60 - .70
imported, bls ..... lb. .50 - .80
Angostura bark, bls ..... lb. .43 - .48
Anilin oil, dms., c.l., works, frt. alld. lb .19 - —
l.c.l., works, frt. alld ..... lb. .20 - —
tanks, works, frt. alld ..... lb. .18 - —
Salt, dms., frt. alld ..... lb .39 - —
Anise, Chinese, star, bgs ..... lb. .80 - —
Czech, bgs ..... lb. .13½ - .14
Mexican, bgs ..... lb. .15 - .15½
Spanish, bgs ..... lb. .15½ - .16
Turkish, bgs ..... lb. .14½ - .15
Anisic aldehyde, bots., dms ..... lb. 2.45 - 2.80
Annatto seed, whole, dms ..... lb. .28 - —
powdered, bgs ..... lb. .28 - —
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works ..... lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .85 - .88
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines ..... lb. .50 - —
cases, c.l., mines ..... lb .50½ - —
Oxide, bgs., c.l., frt. alld ..... lb .44½ - —
l.c.l., frt alld ..... lb. .45½ - —
Sulphide, 62-64%, bgs., dlvd ..... lb. .42 - .42½
Trichloride, pails, c.l., works ..... lb. .35¾ - .50
l.c.l., works ..... lb. .37¾ - 52
solution, cbys. ..... lb .29 - .30
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene NF, dms ..... lb. 2.50 - 2.60
Apomorphine hydrochloride, USP, hots oz 23 40 - 23.90
Areca nuts, powd., bbls ..... lb .13 - .16
Arecoline hydrobromide, NF, bots. tins oz. 5.00 - 5.75
Arginine monohydrochloride, laevo, dms., 1 kilo lots kilo. 77 00 - —
Argois, min 50%, bgs., shipment ports, per 100 kilos (100% basis) 40.00 - —
Arnica flowers (true montana), bls. lb. .55 - .75
root, bls ..... lb 1.45 - —
Arrowroot, powd., bgs ..... lb .11 - .14
Arsenic metal lump bbls., prompt ship't lb. .80 - .90
Trioxide, USP dms ..... lb. .40 - —
White, powd., bbls., c.l., dlvd lb. .06½ - —
l.c.l., dlvd ..... lb. .07½ - 08½
Asafetida, cs ..... lb. .32 - .35
powd., bbls., dms ..... lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.i. (20 tons), mines ton. 1,300.00 - —
No. 2, c.l. (20 tons), mines ton 675 00 - —
Run-of-mine, c.l. (20 tons), mines ton. 556 00 - —
fiber, 3K, c.l. (20 tons), mines ton 436 00 - —
3R, c.l. (20 tons), mines ton 371 00 - —
3T, c.l. (20 tons), mines ton. 348 00 - —
3Z, c.l. (20 tons), mines ton. 321 00 - —
4K, c.l. (20 tons), mines ton. 173.00 - —
4M, c.l. (20 tons), mines ton. 173.00 - —
4T, c.l. (20 tons), mines ton. 156.00 - —
4Z, c.l. (20 tons), mines ton. 156.00 - —
5D, c.l. (20 tons), mines ton. 122.50 - —
5K, c.l., 20 tons, mines ton. 122.50 - —
5M, c.l. (20 tons), mines ton. 116.50 - —
5R, c.l. (20 tons), mines ton. 110.00 - —
6D, c.l. (30 tons), mines ton. 78.00 - —
7D, c.l., (30 tons), mines, ton. 68.50 - —
7F, c.l. (30 tons), mines ton 65 00 - —
7H, c.l. (30 tons), mines ton 55 00 - —
7K, c.l. (30 tons), mines ton 46 00 - —
7M, c.l. (30 tons), mines ton 40.00 - —
7R, c.l. (30 tons), mines ton 39 00 - —
7T, c.l. (30 tons), mines ton 37 00 - —
7RF, c.l. (30 tons) mines ton 40.00 - —
7TF, c.l. (30 tons), mines ton 40.00 - —
8S, c.l. (30 tons), mines ton 27 00 - —
Asbestos prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphalt, gilsonite, black, seconds, 300°-390°F fusing point not uniform, bgs., c.l., Craig, Colo.; Heber City, Utah ton. 34.00 - —
select, 350°F fusing point, bgs., c.l., same basis ton 38 00 - —
270°-295°F. fusing point bgs., c.l., same basis ton 37 00 - —
jet, bgs., c.l., same basis ton. 34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½ - —
Petroleum, cut-back, tanks, tank-wagon, refinery gal. .09 - —
emulsion tanks, tank wagon, refinery gal. .09½ .10
steam-refd., less than 80 penetration tanks, tank wagon, refinery ton 22 00 - —
80-300 penetration, tanks, tank wagon, refinery ton. 21 00 - —
Aspirin (see Acid, Acetylsalicylic.)
Atropine, USP, bots ..... oz. 9.00 -11.50
Sulphate, USP, bots ..... oz. 5.60 - 6.50

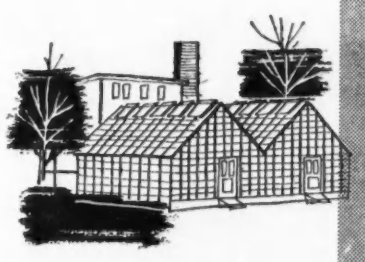
B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units ..... vial. .80 - —
50,000 units ..... vial. 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 1.45
Barberry root bark, bags ..... lb. .35 - .40
tree bark, bgs. ..... lb. .40 - .45
Barbital, USP, 100-lb. dms ..... lb 5.00 - —
Sodium, USP, dms ..... lb 5.25 5.27
Barium carbonate, precip., bgs., c.l., works ton. 85.50 - —
smaller lots, works ton. 95 50 - —
Chlorate, kgs., works ..... lb. .34 - .38
Chloride, anhyd., bgs., c.l., works bgs. ton. 152.00 - —
l.c.l., works ..... ton. 162.00 - —
NF, cryst., dms ..... lb. .18 - .21
Chromate, bgs., frt. equald ..... lb. .31½ .32
Dioxide (see Barium peroxide).
Hydrate, crystals, bgs ..... ton. 190.00 -200.00
Iodide, bots. ..... lb. 6.14 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .12½ - —
l.c.l., works ..... lb. .14 - —
Oxide, grd., dms., c.l., works ton. 250.00 - —
l.c.l., works ..... ton. 260.00 - —
Peroxide, dms., works ..... lb. .16 - —
Stearate, cns., c.l. ..... lb. .37 - —
ton lots ..... lb. .38 - —
less ton lots ..... lb. .39 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. ..... lb. .14 - —
Sulphide, dms., c.l., works ..... ton. 71.50 - —
l.c.l., works ..... ton. 81.50 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 -12.50
Barytes, Southern off-color, bgs., mines ton. 20.00 - —
95.75%, bgs. mines ..... ton. 20 00 - —
water grd., paper bgs., c.l., St. Louis ton. 37.60 -37.85
ex-whse., N. Y. ..... ton. 53.45 -61.75

Baurite, bulk, mines ..... ton. 9.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf bls ..... lb. .40 - .45
root, bls ..... lb. .45 - .50
Bentonite, 200 mesh bgs., works ton. 12.50 - —
Italian, white, high gel, bgs., l.c.l., works ton. 71.40 - —
5 ton tots ton. 68.90 - —
ex dock, 10 ton lots ton. 57 00 - —
low gel, bgs., l.c.l. ..... ton. 69.70 - —
5-ton lots ..... ton. 67.20 - —
ex dock, 10 ton tots, ton 55 00 - —
Benzaldehyde, NF, dms ..... lb. .74 - .79
tech., cbys., dms ..... lb. .49 .54
Benzal chloride cbys. works lb. .22 - .23½
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
tech., bgs., dms., c.l., works, gamma unit lb. .015 .020
l.c.l., works, gamma unit lb. .019 021
dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - .02¼
l.c.l., dlvd., gamma unit lb. .0275- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .0325- —
l.c.l., dlvd., gamma unit lb. .0333- .0400
Benzidine, base, bbls ..... lb 1.02 -
Hydrochloride, bbls., frt. alld lb. .94 -
Benzocaine, dms ..... lb 3.50 3.77
Benzol, pure, nitration, tanks, works
Bethlehem, Pa ..... gal. .37 -
Birmingham district ..... gal. .30 .35
Chicago district ..... gal. .30 .35
Cleveland district ..... gal. .30 .35
Geneva, Utah ..... gal. .30 —
Johnstown, Pa ..... gal. .35 —
Lackawanna, N. Y. ..... gal .37 —
Lone Star, Texas ..... gal .37 —
Lorain, Ohio ..... gal .30 —
Minaqua, Colo ..... gal .35 —
Philadelphia, Pa ..... gal. .37 - .39
Pittsburgh district ..... gal .30 .35

Benzol, pure, nitration, tanks, works,
Sparrows Point, Md ..... gal. .37 - —
Syracuse, N. Y ..... gal. .37 - —
Terre Haute, Ind ..... gal. .35 - —
Wyandotte, Mich ..... gal. .38¼ - —
Youngstown, Ohio ..... gal. .35 - —
Benzophenone, dms ..... lb. 1.40 - 1.70
Benzonitrile, dms., c.l., works lb. .46¾ - —
l.c.l., works ..... lb. .47 - —
Benzotrichloride, cbys., frt. equald lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .20½ - .23½
l.c.l., same basis ..... lb. .21½ - .24½
Peroxide, pure, fib. ctns., works lb. .50 - 1.05
Benzyl acetate, t.f.c., cns., dms lb. .63 - 1.05
Alcohol (see Alcohol, benzyl).
Benzoate, USP, t.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis ..... lb. .22 - —
High grade benzyl chloride, 2c. higher.
Cinnamate, cns ..... lb 3.00 4.00
Formate, cns ..... lb 1.60 2.10
Propionate, bots ..... lb 1.35 1.80
Salicylate bots ..... lb 1.65 1.85
Benzylidinacetone bots ..... lb 1.68 2.45
Benzylisoeugenol, bots. ..... lb. 10.25 -10.95
Berberine bisulphate, cns ..... lb. 35.00 -36.25
Hydrochloride, bots ..... lb. 35.00 -36.25
Sulphate, cns ..... lb. 35.00 -36.25
Berberis root, bls ..... lb. .27 .30
Betagammapicoline, 3°, dms., c.l., works lb. .29½ - —
l.c.l., works ..... lb. .30 - —
Betamethylnaphthalene, 32°C m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. 78½ - —
tech., bbls., c.l., works ..... lb. .32½ - —
l.c.l., works ..... lb. .34½ - —

Betanaphthol benzoate, fib. dms., works lb. 3.00 - —
Custom contract ..... lb 1.65 - 1.83
Salicylate, dms ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb 1.05 1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.10 - —
smaller lots ..... lb. 1.13 - 1.40
Betapicoline, 98%, dms., works lb. 1.05 - —
Beth root, bls ..... lb. .45 - .50
Biotin, cryst., bots ..... gram. 10.00 - —
Bismuth chloride, jars ..... lb 5.11 - —
Hydroxide, dms ..... lb 4.65 - —
Metal, bxs., ton lots ..... lb 2.25 - —
Nitrate, cryst., dms ..... lb 2.17 - —
Oxide, anhydrous, dms ..... lb. 4.47 - 5.05
Oxychloride, dms ..... lb. 4.37 - 4.43
Phenolsulphonate, fib. dms ..... lb 5.22 - —
Subcarbonate, USP, dms ..... lb 3.20 - —
Subgallate, NF, fib. dms ..... lb 3.15 - —
Subiodide, fib. dms ..... lb 5.37 - —
Subnitrate, NF, dms ..... lb. 2.65 - —
Subsalicylate USP, dms ..... lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb 4.22 - —
Black, acetylene, bgs., c.l., works lb. .16 - —
cs. l.c.l., ship't point lb. .20 - .22
Bone, dms., l.c.l., frt. alld ..... lb. .14¾ - .21
Pacific coast bone black prices, 2c. per lb. higher.
Carbon, channel, heads, bulk c.l., works lb .07 - —
bgs., c.l., works ..... lb. .0740- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular, bgs., c.l., works lb .10 - —
bgs., ctns., l.c.l., divd. or whse lb. .16 - —

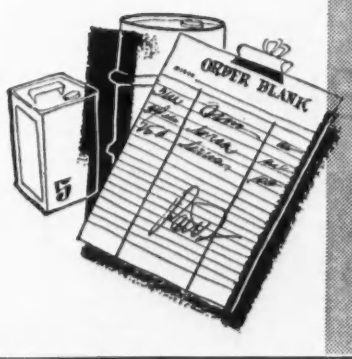


NIRAN is EFFECTIVE

against orchard, greenhouse and field pests

NIRAN is PROVED

in three seasons' use



NIRAN is AVAILABLE

to help you fight crop-destroying pests

Niran, Monsanto's parathion (di-ethyl p-nitrophenyl thionophosphate), currently is available. It is an insecticide with a wide range of effectiveness in combating aphids, mites, caterpillars, beetles and scales. Extensive use over three seasons has proved Niran's ability to kill insect pests.

For easy-to-follow safety methods and information on formulating and applying, write for Technical Bulletin O-52, "*Niran.*" We suggest that you contact the nearest Monsanto Sales Office soon about your Niran requirements for 1952. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

Niran: Reg. U. S. Pat. Off.

DISTRICT SALES OFFICES: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto Canada Limited, Montreal.

MONSANTO CHEMICALS—PLASTICS

Serving Industry... Which Serves Mankind

Black, Carbon, Furnace—Calcium Arsenate

Black, carbon, furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd. or whse lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works lb. .1175- —
l.c.l., works lb. .12 - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs. works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .25 - .30
root, bls lb. .15 - .16
Black dyes (see Dyes).
Black haw, root, bark, bls lb. .75 - .80
tree bark, bls lb. .38 - .40
Black indian hemp root, bls lb. .50 - .55
Blanc fixe, dry by-product, bgs., c.l., works ton.100.00 - —
l.c.l., works ton.110.00 - —
direct process, bgs., c.l., works ton.90.00 - —
l.c.l., works ton.100.00 - —
N. Y. whse ton.120.00 130.00
pulp, 66⅔%, bbls., c.l., works ton.84.00 - —
l.c.l., same basis ton.92.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 6.25 - —
high-grade, unground, 16-17% ammon, bgs., Chicago, unit-ton. 6.00 - —
soluble, bgs., c.l. lb. .17 - .18¼
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .68 - .70
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls, same basis lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstated, PTMA, bbls., same basis lb. 3.50 - 3.52
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% cotor strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .46 - —
Soda, C.P., bronze, bbls, same basis lb. .45 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .28 - .30½
regular types, dry, bbls., same basis lb. .15 - .33½
Victoria toner, molybdic, PMA, bbls lb. 3.90 - —
tungstated, PTMA, bbls lb. 4.80 - 4.82
Blue, dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .50 - .55
Bluestone (see copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .08 - .12
Bone, meal, raw, 4½% ammon., 50% phos., bgs., works, E. ton.75.00 - —
steamed, works, E ton.80.00 - —
Phosphate, defluorinated (see D).
of lime (see Calcium phosphate, tribasic).
precipitated (see Calcium phosphate, tribasic, NF, precip.).
Raw, bulk, Atlantic ports ton.60.00 - —
Boneset leaves and tops, bls lb. .17 - .20
Borage flowers, bls lb. .40 - .49
Borax, tech., anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse. N. Y. or Chi ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —
crystals, 99½%, bgs., c.l., works ton.63.75 - —
ton lots, ex whse. N Y. or Chi ton.109.50 - —
less ton lots, same basis ton.114.50 - —
Borax, tech., cryst., 99½%, bbls., c.l., works ton.88.25 - —
ton lots, ex whse., N. Y., or Chi. ton.134.00 - —
less ton lots, same basis. ton.139.00- —
bulk, c.l., works ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
less ton lots, same basis. ton.88.50 - —
ton lots, ex whse., N. Y. or Chi. ton.83.50 - —
bbls., c.l., works ton.62.25 - —
ton lots, ex whse., N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works ton.67.25 - —
ton lots, ex whse., N. Y. or Chi ton.113.00 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works ton.38.25 - —
Borax packed in kgs. $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .161 - .221
l.c.l., same basis lb. .171 - .241
Borneol, cns. lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .25 - —
1,000-lb. lots, same basis lb. .27 - —
dms., lead-lined, dlvd lb. .25 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works, lb. .75 - .85
moulding, cns., dms., works lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns., dms. works lb. .80 - .85
Broomtop, bls lb. .30 - .35
Brown, iron oxide, pure, bgs., c.l., works lb. .1275- —
l.c.l., works lb. .13 - —
Oxide, metallic, bgs., works lb. .0375- —
Sap, crystals, bgs., works lb. .12 - —
powdered bgs lb. .13 - —
Sienna, burnt paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15¼
raw, paper, bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¼- —
l.c.l., works lb. .06½- —
raw American, bgs., same basis lb. .06¼- .06¼
Turkey type bgs., same basis lb. .06½- .06¾
Vandyke, bbls. works lb. .11 - —
Brucine, cns., 100-oz lots oz. .33 - .35
Sulphate, NF, cns., 100-oz. lots oz. .26 - .29
Bryonia root, bls lb. .22 - .34
Buchu leaves, bls lb. .35 - .40
Buckthorn bark, bls lb. .13 - .17
cut and sifted, bls lb. .18 - .23
Berries, bgs lb. .80 - .90
Burdock, root, bls lb. .22 - .26
Butadiene, cyls, refinery lb. .22 - —
tanks, same basis lb. .11½- .12¼
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld. E. lb. .17 - .29¾
l.c.l., same basis lb. .17¾- .30¾
tanks, same basis lb. .15¼- .28
synthetic, normal, dms., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17¾- —
tanks, same basis lb. .15¼- —
secondary, dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12¼- —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., dlvd lb. .23½- —
l.c.l., dlvd. lb. .24½- —
tanks, dlvd. lb. .20¾- —
Chloride, dms., c.l., works lb. .43½- —
l.c.l., works lb. .44 - —
Ether (see Ether butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Laurate, dms. works lb. .39 - —
Methacrylate normal, dms., less truckloads, works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate, dms lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equald lb. .24 - .27¾
Butylamine, dms., c.l., frt. alld lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb .53 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd. lb. 2.55 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N. Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 5.25 - —
anhydrous, dms lb. 5.50 - 5.75
synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms., 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots lb. 7.72 - 7.97
Calamine, USP, dms lb. .34 - —
Calamus root, dom., natural, bgs. lb. .25 - .30
imported, bleached, bls lb. .70 Nom.
stripped, bls lb. .30 - .40
Calciferol cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .10 - .11
l.c.l., same basis lb. .11 - .13

The right package can help you SEW UP SALES

You can rely on Continental's "F" style cans to add sales appeal to any chemical product. They're sturdy, handy to use, and our master lithographers make them things of beauty. Available in practically every size you could want: ½-pint, pint, quart, ½-gallon and gallon. To sew up more sales, ask us for the full story on Continental "F" style cans!

Continental also makes steel containers that are tops for shipping chemicals in bulk.

CONTAINER	SUGGESTED USE
Open Head Pails	Adhesives
Closed Head Drums	Anti-Freeze
Utility Cans	Insecticides
50 and 65 Pound Flaring pails	Soap Powder
Small Flaring pails	Dry Chemicals

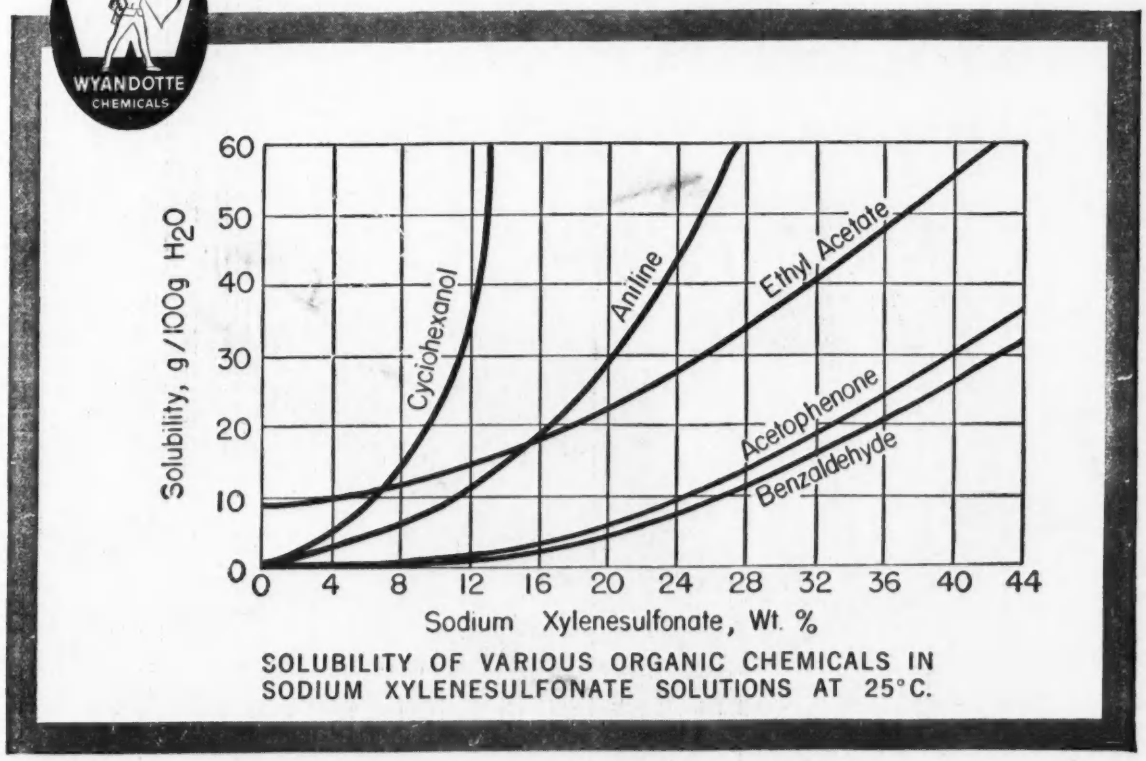
CONTINENTAL CAN COMPANY

CONTINENTAL CAN BUILDING
100 East 42nd Street New York 17, N. Y

Eastern Division: 100 East 42nd Street, New York 17 • Central Division: 135 So. La Salle Street, Chicago 3 • Pacific Division: Russ Building, San Francisco 4

Calcium bromide, NF, jars	lb.	.90	1.10
Carbide, standard generator size, dms., c.l., dlvd	ton.	128.00	—
Carbonate (see Chalk and Whiting).			
Chloride, cryst., purified, bbls., jars	lb.	.28	.30
flake, 77-80%, paper bgs., c.l., works, frt. equald	ton.	25.00	—
liquor, same basis, 40%, tank cars	ton.	10.50	—
pellets, bgs., c.l., works	ton.	31.25	—
powder, bgs., c.l., works	ton.	35.65	—
solid, 73-75%, dms., c.l., frt equald	ton.	23.50	—
t.c.l., works, same basis	ton.	32.00	69.00
USP, gran., bbls	lb.	.30	—
Chromate, bgs., frt. equald	lb.	.29½	.30
Cyanide, dms., dlvd. E. of Rockies	lb.	.30	.50
Gluconate, AA, bbls., dms	lb.	.65	.74
USP, bbls., dms	lb.	.58	.67
Glycerophosphate, NF, fib. dms.	lb.	2.00	2.15
Hydride, dms., works	lb.	2.40	3.00
Hypochlorite, high test, cns., cased (45 lbs.) dlvd. E. of Rockies	cs.	21.00	23.00
100 lbs., dms., same basis	dm	25.25	29.85
Hypophosphite, dms., ton lots or less	lb.	.90	.93
Iodide, jars	lb.	4.32	—
Lactate, USP, dms., 10,000 lbs or more, works	lb.	.40	—
smaller lots, works	lb.	.41	.48
Mandelate, USP, dms., works	lb.	2.10	2.25
Naphthenate, liq., 4% Ca, dms., frt equald	lb.	.25¾	—
Nitrate tech., bbls., works	lb.	.10	.12
fertilizer grade, bgs., c.l., Los Angeles	ton.	49.25	—
Panthothenate, dextro, jars, 100 grams or more, frt. adjusted gram.		.07½	—
Para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted	lb.	7.00	—
smaller lots, same basis	lb.	7.05	7.50
Phenolsulphonate, dms	lb.	.70	—
Phosphate, dibasic, USP, bgs., c.l., 100 lbs.		7.10	—
t.c.l. 100 lbs.		7.65	7.95
feed grade, bgs. c.l., works ton.		92.50	—
t.c.l., bgs., works ton.		95.00	—
monobasic, bgs. 10,000 lbs., works, frt. equald	lb.	.0625	—
smaller lots, same basis	lb.	.0675	—
tribasic, precip., NF, bgs., c.l., works 100 lbs.		7.10	—
t.c.l., works 100 lbs.		7.45	—
Phytate, bgs works	lb.	.28	—
Resinate, precip. dms. frt. alld., works	lb.	.27½	—
Silicate, hydrated, bgs. c.l., works	lb.	.05	—
t.c.l., works	lb.	.05½	—
Stearate, ctns., c.l.	lb.	.35	—
ton lots	lb.	.36	—
less ton lots	lb.	.37	—
Sulphate (see Gypsum)			
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb. lots, works	lb.	2.60	3.50
fine particle size, same basis, works	lb.	2.85	3.75
Calendula flowers, bls	lb.	.50	.65
Calomel, USP, powd., dms	lb.	4.02	4.05
Camphene, dms., extra, c.l., works 100 lbs.		17.80	18.80
t.c.l. same basis 100 lbs.		18.30	19.65
tanks, same basis 100 lbs.		15.60	16.60
Chlorinated, 67-69% (see Toxaphene).			
Camphor, monobromated, NF dms., kgs	lb.	3.00	3.10
natural, USP, powd., 100-lb lots, bbls	lb.	.52	.60
tablets, 1-oz., ½-oz. cs	lb.	.69	.73
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots	lb.	.55½	—
smaller lots	lb.	.56	.66
USP gran., powd., bbls., 2,000-lb. lots	lb.	.60	—
1,000-lb. lots	lb.	.61	—
smaller lots	lb.	.62	—
tablets, tins, 2,000-lb. lots	lb.	.93	—
1,000-lb. lots	lb.	.94	—
smaller lots	lb.	.95	—
Canada balsam (see Fir balsam)			
Canella alba bark, bls	lb.	.25	.33
Cantharides, Chinese, cs	lb.	1.05	1.20
powd., bxs	lb.	1.15	1.40
Russian, bgs	lb.	2.80	3.25
powd., bxs	lb.	2.90	3.50
Capsicum (see Pepper, red).			
Oleoresin, NF from domestic pepper dms.	lb.	4.25	5.50
from African pepper, dms.	lb.	5.00	6.25
Caramel coloring, NF, bbls	gal.	1.05	1.20
Caraway seed, Dutch, bgs	lb.	.10¾	.11
Carbazole 97% steel dms, ton-lots, works	lb.	1.55	—
bbls., same basis	lb.	1.65	1.85
Carbinol, methylisobutyl, dms., c.l., frt. alld	lb.	.15¼	—
t.c.l., same basis	lb.	.16	—
tanks, same basis	lb.	.13½	—
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points	lb.	.0700	—
t.c.l., same basis	lb.	.0800	—
5-gal. dms., c.l., same basis	lb.	.0950	—
t.c.l., same basis	lb.	.1050	—
tankcars, same basis	lb.	.0490	—
Dioxide, cyls.	lb.	.08	—
Tetrachloride, CP, dms., works	lb.	.111	.121
NF, cbys	lb.	.17	.19
tech., dms., c.l., E. of Rockies, frt. alld	lb.	.0860	—
W. of Rockies, f.o.b. stock points	lb.	.0910	—
t.c.l., E. of Rockies, frt. alld.	lb.	.1060	—
W. of Rockies, f.o.b. stock-points	lb.	.1120	—
tanks, E. of Rockies, frt. alld.	lb.	.0785	—
W. of Rockies, f.o.b. stock-points	lb.	.0835	—
Carboxymethylcellulose-Sodium—See CMC			
Carbromal, NF, dms., 100-lb. lots, works	lb.	4.00	4.25
smaller lots, works	lb.	4.10	4.75
Cardamom fruit, bleached, A, cs	lb.	3.80	3.85
medium, cs	lb.	3.30	3.40
decorticated, Alleppey, cs	lb.	3.00	3.10
Guatemalan, cs.	lb.	3.00	3.05
Mangalore type, cs	lb.	2.50	2.55
Indian, cs	lb.	3.40	3.45
green, Alleppey, bgs	lb.	2.00	2.05
Ceylon, bgs	lb.	2.00	2.05
seed (see Cardamom fruit, decorticated).			
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd	lb.	5.50	—
smaller lots, dlvd	lb.	5.65	6.15
Carotene, crystals, research grade, pure alpha or beta ampuls, 10 mg.		5.00	—
90% beta-10% alpha, ampuls 100 mg.		2.00	—
gram, quantities, ampuls, gm.		5.00	—
technical, 1,350,000 A units per ampuls gram	gm.	.67½	—
tins, works	gm.	.50	—
dry powder, 3,330 A units per gram, tins	lb.	.81	—
emulsion (in milk), 600,000 A units per 16-oz. can, per can.		1.00	—
Carotene, tech., in vegetable oil, 166,666 A units, per gram.	lb.	25.24	—
50,000 A units per gram cns	lb.	7.86	—
3,330 A units per gram cns	lb.	.85	—
feed grade 5,000,000 to 8,000,000 A units, per lb., dms., works mill units.		.18	—
microcrystalline, in oil, 400,000 A units per gram, tins, works mill. units.		.30	—
Carvol, bots	lb.	8.75	10.50
Cascara sagrada bark, bulk	lb.	.37	.38
Casein dom., acid-precip standard, bgs., 10,000-lb. lots or more, ship't point	lb.	.28	.30
premium bgs., 10,000-lb. lots or more, ship't point	lb.	.35	.37½
imported, Argentine, acid-precip., grd., 100-bg., lots or more, ex dock	lb.	.18	.19¼
other origins, rennet, bgs, 10,000-lb. lots or more, ex dock	lb.	.21½	.25
Cashewnut shell liquid, treated, dms. c.l. f.o.b. Newark, N. J	lb.	.21	—
ton lots, same basis	lb.	.22¼	—
dm lots, same basis	lb.	.24¼	—
Cassia, Batavia, cuttings, bls	lb.	.13½	.14
longstick	lb.	.16	.17
shortstick, bls	lb.	.14	.14½
China, Canton, Kwangsi rolls, select, cs	lb.	.18¾	.19
broken, bls.	lb.	.17¼	.17½
Honan, Yunnan, scraped, bls.	lb.	.28	Nom.
broken, bls	lb.	No stocks.	
unscraped, bls	lb.	.26	.27
broken, bls	lb.	No stocks.	
Saigon, broken, bls	lb.	.25	.26
medium, bls	lb.	.28	.29
thin, bls	lb.	.50	.51
Cassia buds, bgs.	lb.	.31	.32
Fistula, bskts	lb.	.25	.30
Castor beans, bgs., f.o.b. Brazilian ports long	ton.	170.00	Nom.
Oil (see Oil, castor).			
Pomace, bgs., c.l., works	ton.	37.25	—
Castoreum artificial, cns	lb.	9.00	9.25
natural cns	lb.	7.00	30.00
Catechol, CP, cryst, fib. dms., works	lb.	2.17½	—
resublimed dms., works	lb.	4.29½	—
Catnip leaves, southern, bls	lb.	.65	.70
Celery seed, French, bgs.	lb.	.33½	.34
Indian, bgs	lb.	.28	.28½
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate flake, ctns., dlvd.	lb.	.43	.48
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis	lb.	.55	—
t.c.l., same basis	lb.	.58	—
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld	lb.	.50	—
t.c.l., same basis	lb.	.53	—
regular black, dms., l.c.l., same basis	lb.	.43	—
molding and extrusion transparent, dms., c.l., same basis	lb.	.55	—
t.c.l., same basis	lb.	.58	—
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works	lb.	.64	—
17% butyryl content, standard cartons, works	lb.	.54	—
Cellulose, acetate-butyrate, flake, 27% butyryl content, standard cartons, works	lb.	.64	—
38% butyryl content, low viscosity, standard cartons, works	lb.	.68	—
medium viscosity, same basis	lb.	.54	—
flake, 50% butyryl content, standard cartons, works.	lb.	.63	—
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld	lb.	.65	—
regular black dms., l.c.l., same basis	lb.	.53	—
Triacetate, flake ctns., works, frt. alld. on 100-lbs. or more,	lb.	.52	—
Cerium hydrate, dms., works	lb.	1.44	1.60
Oxalate, NF, bbls., bgs., works	lb.	No prices.	
Oxide, optical grade, bgs., 50-lbs. or more works	lb.	1.75	1.93
smaller lots, works	lb.	1.80	2.25
Chalk precip., cosmetic, dentifrice, drugs, bgs. c.l. works	lb.	.0295	.033
t.c.l. ex whse	lb.	.0395	.05
paint, bgs. c.l. works	ton.	40.00	—
papermakers, bgs. c.l. works	ton.	32.50	40.00
rubber makers, bgs. c.l. works.	ton.	55.00	60.00
Chamomile flowers, Hungarian and Hungarian style, cs	lb.	.60	.70
Roman, cs	lb.	.75	.80
Charcoal, activated, NF, fib. dms., c.l., works	lb	.25	.32
5-ton lots, works	lb.	.26½	.32½
smaller lots, works	lb.	.27	.50
Bone (see Black, bone).			

Dependable Source for Chemical Raw Materials



SOLUBILITY OF VARIOUS ORGANIC CHEMICALS IN SODIUM XYLENESULFONATE SOLUTIONS AT 25°C.

Chart showing how Naxonate increases the solubility of certain organics

Bulletin Board

Kreelon*:

Wyandotte Kreelon, recently improved, has brought favorable comment from several fields . . . textile manufacturers note more rapid solubility; compounders like solubility and new foaming action. Ask for new booklet.

New Pluronics*:

You'll want to look into this first 100%-active flake nonionic ever commercially available. Big news is the number of completely new products, in several fields, now in testing stage . . . based on Pluronics. Samples and literature available.

Chlorine:

Already an important source of chlorine to the chemical industries, Wyandotte is currently expanding its chlorine facilities to supply growing requirements. Consult us about your future needs.

Caustic:

Regardless of the quality of caustic your process requires, Wyandotte has a grade that will satisfy your needs . . . Mercury Cell Caustic, our finest, is reagent quality. Samples and quotations available upon request.

Purecal in rubber:

Experiments with Purecal in GR-S stocks have resulted in a method of making superior white sidewalls without natural rubber! Write for details.

To make stubborn organics dissolve in water, try NAXONATE

Would it help you to make some insufficiently water-soluble organic dissolve readily in aqueous solution?

Chances are good that WYANDOTTE NAXONATE* (a technical grade of sodium xylenesulfonate) can help you. As the chart above shows, this hydrotrope in aqueous solution does wonders in dissolving aniline, ethyl acetate, and other "stubborn" organics.

Many uses

Through the action of Naxonate, electrochemical oxidation and reduction can be applied to numerous organic compounds. And liquid commercial preparations can be kept fully in solution . . . transparent and sediment-free!

For samples, or our Naxonate booklet, write—*Wyandotte Chemicals Corporation, Wyandotte, Mich. Offices in Principal Cities.*

*REG. U.S. PAT. OFF.

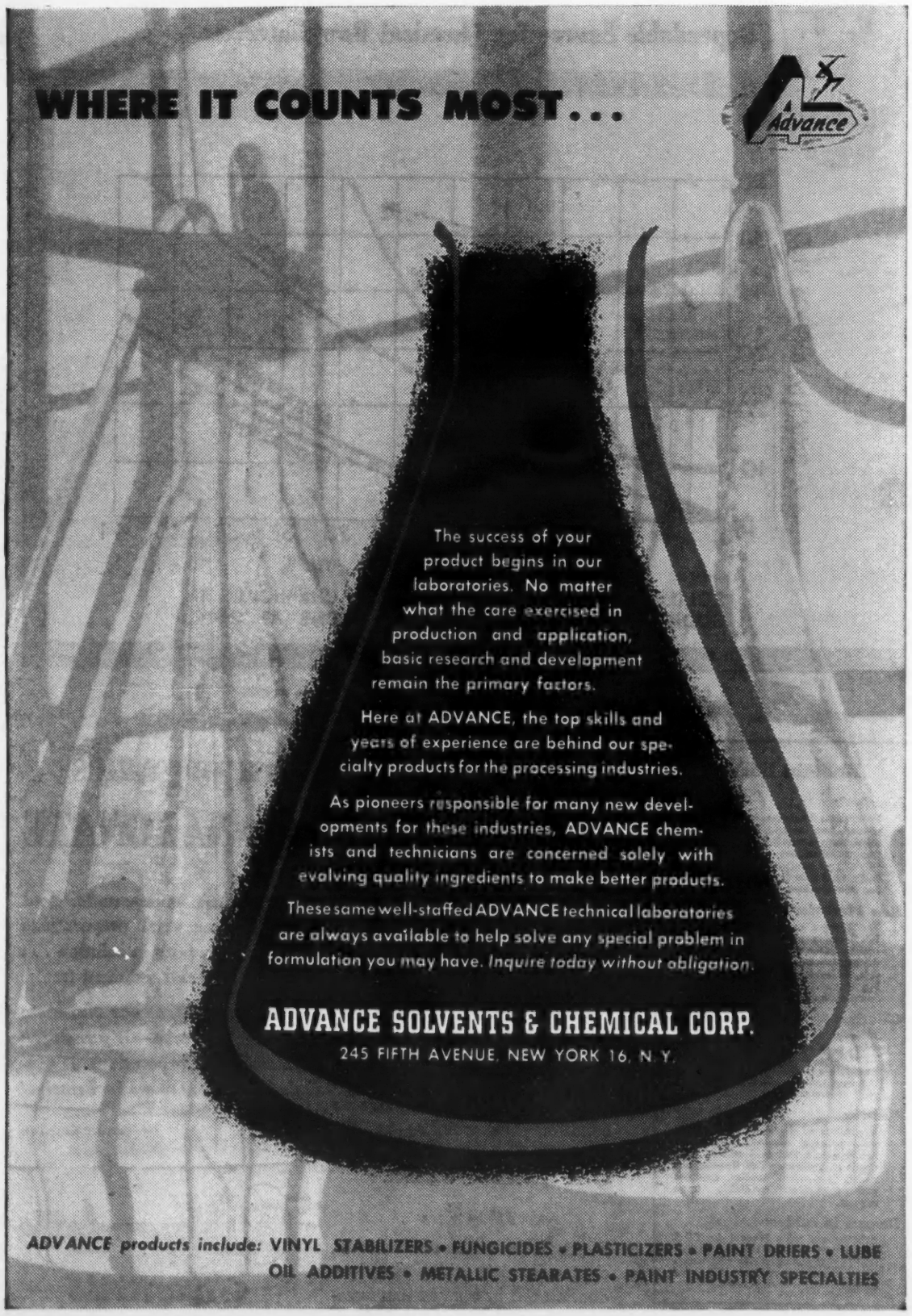
Wyandotte CHEMICALS

Charcoal, Hardwood—Cornsilk

Charcoal, hardwood, briquets, bgs., c.l., works	ton.	70.00	-80.00
l.c.l., works	ton.	75.00	-85.00
bulk, c.l., works	ton.	64.00	- —
granular, bgs., c.l., works	ton.	65.00	- —
l.c.l., works	ton.	65.00	- —
lump bulk, c.l., works	ton.	46.00	- —
Pinewood, gran., powd., bgs., c.l., works, South	ton.	43.50	- —
l.c.l., works	ton	43.50	-53.50
lump bgs., c.l., works, South	ton.	40.00	- —
l.c.l., works, South	ton.	50.00	-60.00
bulk, c.l., works, South	ton.	33.50	- —
Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0510-	—
l.c.l., works	lb.	.0543-	—
tanks, works	lb.	.0425-	.0440
powd., 60% tannin, bgs., extra, c.l., works	lb.	.1092-	—
l.c.l., works	lb.	.1165-	—
Chloral, tech., 94% min., dms., c.l., works	lb.	.23	- —
l.c.l., works	lb.	.24	- —
tanks, works	lb.	.21	- —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots	lb.	1.30	- —
500-lb. lots	lb.	1.33	- —
100-lbs. or less	lb.	1.35	- 1.40
Chloramine T, NF, bbls., works	lb.	.75	- 1.00
Chlordane, agricultural, dms., pails, c.l., frt. alld	lb.	.65	- —
l.c.l., frt. alld	lb.	.66	- .73
refined, dms., c.l., frt. alld	lb.	.75	- —
l.c.l., frt. alld	lb.	.76	- .83
Chlorinated paraffin, 42%, dms., frt. alld., c.l.	lb.	.14	- .16
l.c.l.	lb.	.14¾-	.17
70%, dms., c.l., same basis	lb.	.18	- —
l.c.l., same basis	lb.	.19	- —
Chlorinated paraffin, rubber, 5, 10, 20 cps., ctns., c.l., works.	lb.	.58	- —
l.c.l., works	lb.	.59	- .60
125, 1,000 cps., ctns., c.l., works	lb.	.60	- —
l.c.l., works	lb.	.61	- .62
Chlorine, liquid, cyls., c.l., N.Y.	lb.	.08¾-	—
l.c.l., N.Y., stock points	lb.	.10¼-	—
tanks, single units, works, frt. equald	100 lbs.	2.70	- —
W. of Rockies	100 lbs.	2.82½-	—
multiple units, 3 cars, works, frt. equald	100 lbs.	3.10	- —
2 cars, same basis	100 lbs.	3.80	- —
1 car, same basis	100 lbs.	4.42	- —
Chloroform, tech., dms., c.l., dlvd. E	lb.	.18	- .182
l.c.l., same basis	lb.	.192	- .20
tanks, same basis	lb.	.17	- .171
USP, dms	lb.	.30	- .35
Chloro(4)-2-Toluidine, bbls	lb.	1.38	- —
Chlorophyll, oil soluble, 4%, not fixed, tins, pails, works	lb.	3.75	- 4.50
copper fixed, 6%, tins, pails, works	lb.	6.00	- 6.50
Sodium-copper, aqueous solut., 4%, 55 gal. dms., works	lb.	3.25	- —
8%, 55 gal. dms., works	lb.	6.00	- —
15% 55 gal., dms., works.	lb.	12.00	- —
concentrated, dom., 50%, dms., works, 100% basis	lb.	85.00	-95.00
75%, dms., works, 100% basis		85.00	-95.00
90%, dms., works, 100% basis	lb.	85.00	-95.00
imported, 60%, dms., basis 100%	lb.	60.00	-65.00
75%, dms, basis 100%	lb.	60.00	-65.00
Chloropicrin, com'l, bots	lb.	1.50	- —
cyls., 180 lbs., frt. alld	lb.	.95	- —
100 lbs., same basis	lb.	.97	- —
25 lbs., same basis	lb.	1.23	- —
Cholesterol, USP, fib. dms., 100-lb. lots	lb.	8.80	- 9.50
5-lb. pkg.	lb.	9.00	-10.50
1-lb. pkg.	lb.	9.50	-10.50
Choline bitartrate, fib. dms., frt. adjusted	lb.	1.70	- 1.95
Chloride, fib dms., same basis	lb.	1.70	- 1.95
Dihydrogen citrate, fib. dms., same basis	lb.	1.70	- 1.93
Chromium acetate, powd., 72% Cr., bbls., works	lb.	No stocks.	
solut., 7½% bbls., works	lb.	.08½	—
cbys.	lb.	.10¼-	—
8½%, bbls., works	lb.	.09	- —
cbys.	lb.	.10¾-	—
Fluoride, bbls., works	lb.	.44½-	—
Green (see Green, chrome).			
Oxide (see Green, chromium oxide).			
Oleate, solid, bbls	lb.	.49	- —
Trioxide, NF, bots	lb.	.82	- .89
Yellow (see Yellow, chrome).			
Chrysarobin, USP, bots	lb.	6.50	- 8.00
Cinchona bark, NF, red, broken, bgs	lb.	.28	- .30
yellow, broken, bgs	lb.	.28	- .30
Cinchonidine, cryst., cns., 100 ozs.	oz.	.71	- .72
Sulphate, cns., 100 ozs	oz.	.37	- .40½
Cinchonine cryst., cns., 100 ozs.	oz.	.57	- —
Sulphate, NF, cns., 100 ozs	oz.	.30	- —
Cinchophen, NF, heavy density, dms., frt. adjusted	lb.	3.70	- 4.05
standard density, dms., same basis	lb.	3.50	- 3.85
Cinchophen-sodium, dms., frt. adjusted	lb	4.50	- 4.85
Cinnamic alcohol (see Alcohol cinnamic)			
Aldehyde, NF, cns., dms	lb.	1.05	- 1.30
Cinnamon, Ceylon, No. 2, bls	lb.	.24½-	.25
Citral, bots., cns	lb.	4.25	- 4.75
Citronellal, bots., dms	lb.	1.65	- 3.05
Citronellol, bots., dms	lb.	2.15	- 2.70
Civet, artificial, bots	lb.	13.75	-15.00
natural, bots	oz.	3.50	- 7.00
Clay, ball, dom., crushed, bulk, Tennessee	ton.	10.00	-12.00
airfloated, bgs., c.l., Tennessee.	ton.	19.50	- —
purified, bgs., c.l., Tennessee.	ton.	20.50	- —
imported, lump, bulk, Atlantic port, long	ton.	27.00	-30.00
airfloated, bgs., c.l., Atlantic port, long	ton.	43.00	-45.00
pulverized, bgs., l.c.l., all ports	ton.	55.00	- —
97%, 200 mesh, bgs., c.l. Georgia	ton.	54.00	-56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works	ton.	11.50	-14.50
l.c.l., works	ton.	35.30	- —
bulk, c.l., works	ton.	8.50	-11.50
200 mesh, bgs., c.l., works	ton.	13.50	-17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me.	gross ton.	20.00	-40.00
powd., bgs., c.l., ex dock	net ton.	50.00	- —
l.c.l., ex whse	net ton.	60.00	-65.00
Clove, Madagascar, bls	lb.	.85	- .85½
Zanzibar, bls	lb.	.88	- .89
Clover tops, red, bgs	lb.	70	.75
CMC, purified, high vis., (see Gum, cellulose), standard low vis., bgs., 23,000 lbs. or over, works, frt. alld.	lb.	.60	- —
smaller lots, same basis	lb.	.62	- —
medium vis., bgs., 23,000 lbs. or over, works frt. alld.	lb.	.57	- —
smaller lots, same basis	lb.	.59	- —
technical, high vis., 58% purity, bgs., 20,000 lbs or more, dlvd. E., 100% basis	lb.	.56	- —
2,000 to 20,000 lbs., dlvd. E	lb.	.58	- —
less than 2,000 lbs., dlvd. E	lb.	.62	- —
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E., basis 100%	lb.	.46	- .47
l.c.l., dlvd. E., basis 100%	lb.	.48	- .49
58% purity, bgs., c.l., dlvd. E., net weight basis	lb.	.34	- —
l.c.l., dlvd. E	lb.	.36	- —
47½% purity, bgs., c.l., dlvd., E., 100% basis	lb.	.46	- —
l.c.l., dlvd. E	lb.	.48	- —
36½% purity, bgs., c.l., dlvd. E., net weight basis	lb.	.18½-	—
l.c.l., dlvd. E	lb.	.20	- —

Technical grades of CMC West of the Rocky Mountains are quoted f.o.b. works at 1c. per pound below the above delivered prices.

Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse.	gal.	.24	- .27½
l.c.l., ex-whse	gal.	.26	- .28½
tanks, ex-whse	gal.	.14	- .15
refd., resale, dms., c.l., ex-whse	gal.	.25	- .28½
l.c.l., ex-whse	gal.	.27	- .29½
tanks, ex-whse	gal.	.15	- .16
Cobalt acetate, 23.7% bbls., dlvd	lb.	1.14¾-	—
Carbonate 48%, powd., bgs., works	lb.	1.92¼-	—
Chloride, 24.2% Co., kgs., works,	lb.	1.10½-	—
Hydrate, 60-61% Co., bbls	lb.	2.52	- —
Linoleate fused, 8½% Co., dms.	lb.	.64½-	—
liquid, 6% Co., dms	lb.	.53¼-	—
Metal, 97.99%, kgs., ex-whse	lb.	2.40	- —
Naphthenate, liq., 6% Co., dms.,	lb.	.42¾-	—
Nitrate, 20.1% Co., bbls	lb.	.99¼-	—
Oxide, black, 70-71% Co., kgs.	lb.	1.76	- —
Phosphate, powdered, 32.1% Co., kgs. dlvd.	lb.	1.57¾-	—
Resinate, fused, 3% Co., dms.	lb.	.27	- —
Sulphate, cryst., 21% Co., dms., works	lb.	.81¾-	—
monohydrated, 33% Co., dms., works	lb.	1.28½-	—
Cocaine, USP, cns., 100-oz. lots	oz.	15.00	- —
Hydrochloride, cns. 100-oz. lots	oz.	11.75	- —
Cochineal, USP, gray, bgs	lb.	.68	- .90
Cocillana bark, bgs	lb.	.15	- .17
Cocoa butter, bgs	lb.	.75	- —
Codeine, NF, cns., 100-oz. lots	oz.	13.25	- —
Hydrochloride, cns., 100-oz. lots	oz.	11.75	- —
Phosphate, USP, cns., 100-oz. lots.	oz.	10.25	- —
Sulphate, USP, cns., 100-oz. lots	oz.	10.75	- —
Codliver oil (see Oil, codliver).			
Cohosh black root, bls	lb.	.22	- .25
Blue root, bls	lb.	.17	- .18
Colchicine, USP, bots., cns	oz.	74.50	-77.50
Colchicum root, bls	lb.	.42	- .52
Seed, bgs	lb.	.80	- 1.10
Collodion, USP, dms	lb.	.32½-	—
Flexible, USP, dms	lb.	.34	- —
Colocynth, pulp, bls	lb.	.30	- .35
Colombo, root, bls	lb.	.11	- .14
Coltsfoot leaves, bgs	lb.	.25	- .30
Condurango bark, bgs	lb.	.17	- .18
Copaiba balsam, cns., dms	lb.	1.50	- 1.65
Copper acetate, bbls., c.l., works	lb.	.34¾-	—
l.c.l., works	lb.	.35¾-	—
Carbonate, 55%, bgs., works	lb.	.22	- .23¼
Chloride, anhyd., bbls., works	lb.	.34½-	—
crystals, bbls., works	lb.	.22¾-	—
Citrate, USP 5-lb. bots	lb.	2.40	- —
Cyanide, tech., bbls	lb.	.613	- .633
Gluconate, cns., dms	lb.	3.00	- 3.24
Hydrate, dms., frt. alld. E. Miss.	lb.	.36	- .36¼
Metal, electrolytic	lb.	.24½-	.27½
Naphthenate, liquid, 8% Cu. dms., frt. alld	lb.	.24¾-	—
Nitrate, tech., cryst., bbls., works.	lb.	.25¼-	—
Oleate, solid, 9% Cu. dms., works,	lb.	.45	- —
Oxide, black, bbls., works	lb.	.39	- .40
red, com'l, bbls., c.l., works.	lb.	.43¼-	—
l.c.l., works	lb.	.43¾-	—
Oxychloride-sulphate, bgs., frt. alld	lb.	.24¼	Nom.
Quinolinalate, fib. dms	lb.	4.25	- 4.50
Resinate, precip., dms., frt. alld	lb.	.27½-	—
Stearate, ton lots, works	lb.	.38½-	.39½
less ton lots, works	lb.	.40½-	—
Sulphate, cryst., 99%, bgs., c.l., works	100 lbs.	8.85	- 9.95
l.c.l.	100 lbs.	9.20	-10.95
CP, cryst., gran., bbls., works.	lb.	.1615-	—
monohydrated, 35%, dms., c.l., works	100 lbs.	14.95	-15.50
tribasic, dealers, bgs., c.l., works, frt. alld	100 lbs.	25.60	- —
l.c.l., works	100 lbs.	27.10	- —
USP, gran., cryst., dms	lb.	.1615-	.2500
Undecylenate, dms.	lb.	2.90	- 3.00
Copperas, gran., bgs., c.l., works	ton.	28.50	- —
l.c.l., dlvd. Metro area	100 lbs.	3.00	- —
bbls., c.l., works	ton.	34.00	- —
bulk c.l., works	ton.	21.00	- —
Copra, c.i.f. Atlantic, Gulf ports	ton.	125.00	Nom.
Pacific ports	ton.	120.00	Nom.
Coriander seed, Argentine, bgs.	lb.	.08½-	.09
Czech, bgs.	lb.	.08	- .08½
Moroccan, bgs.	lb.	.07½-	.08
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min.	100 lbs.	7.29	- —
Syrup, 42°, dms., c.l.	100 lbs.	7.31	- —
l.c.l.	100lbs.	7.46	- —
Cornsilk, bls.	lb.	.12	- .14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Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 3.68 - —
gran. powd., dms., 50 lbs. or more lb. 3.53 - —
Cottonroot, bark, bls lb. .26 - .28
Cottonseed bull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 - —
Meal, 41% protein, sacked, Memphis ton 85.00 - —
Coumarin, cryst., NF, cns lb. 2.94 - 3.15
powd., cans lb. 3.20 - 3.25
Cramp bark, NF, bls lb .80 - .90
Cranesbill root, bls lb. .55 - .60
Cream of tartar, N.F., dom., gran. or powd. bbls., 5,000 lbs. one shipment lb. .40½ —
smaller lots, bbls., kgs lb. .41 - .42
imported, kgs lb. .31 - .32
Creosote, carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
refined, dms., c.l., works gal. .35 - —
l.c.l. same basis gal. .41 - —
tanks, same basis gal. .27 - —
solution 80%, tanks, works gal. .188 - —
Wood, beechwood, cbys., dms lb. 1.35 - 1.40
Hardwood, bots., cbys lb. 1.05 - 1.10
Pinewood, dms gal. .31 - .32
Cresol tech., dry, above 207°C, non-ret. dms., c.l., frt. equald. lb. .158 - —
l.c.l., same basis lb. .161 - —
ret. dms., c.l., same basis. lb. .155 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .145 - —
USP, non-ret. dms., c.l., same basis lb. .168 - —
l.c.l. same basis lb. .171 - —
ret. dms., c.l., same basis lb. .16½ - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .155 - —
Crotonaldehyde, 91-93%, l.c.l., works. lb. .24¼ - .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs. 10.50 - —
l.c.l., works 100 lbs. 11.25 - 11.50
insecticide, dealers, bgs., c.l., dlvd 100 lbs. 15.25 - —
l.c.l., dlvd. 100 lbs. 16.25 - —
Cube root, powd., 5%, rotenone, bgs., works lb. .25 - .26
Cubeb berries, XX NF, bgs lb. .45 - .52
powd., cs lb. .55 - .60
Culvers root, bbls lb. .65 - .75
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Indian, bgs lb. .17¾ - .18
Iranian, bgs lb. .17¾ - .18
Moroccan, bgs lb. .19 - .19⅛
Syrian, bgs lb. .17¾ - .18
Cutch extract 55% tannin bgs., ex dock, duty extra lb. .08¼ - —
Cyanamide fertilizer mixing grades, 20.6% N, gran. bgs., Niagara Falls, Ont., contract ton 72.00 - —
pulv. 21% N, bgs., works unit ton 3.40 - —
Cyclohexane, tech., 95%, dms., c.l., dlvd lb. .11 - —
l.c.l., dlvd. lb. .11¾ - —
tanks, dlvd. lb. .09¼ - —
Cyclohexanol, tech., dms., c.l., works lb. .37¾ - —
l.c.l., works lb. .38¼ - —
tanks works lb. .36¼ - —
Cyclohexanone, tech., dms., c.l., lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine dms., c.l., works. lb. .41½ - —
l.c.l. works lb. .42½ - —
tanks, works lb. .40 - —
Cyclopropane CP 2 lb. cyls., works, cyl 48.00 - —
6 oz. cyls., works cyl 12.00 - —
USP, hospitals, cyls., 40 gal. lots. gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

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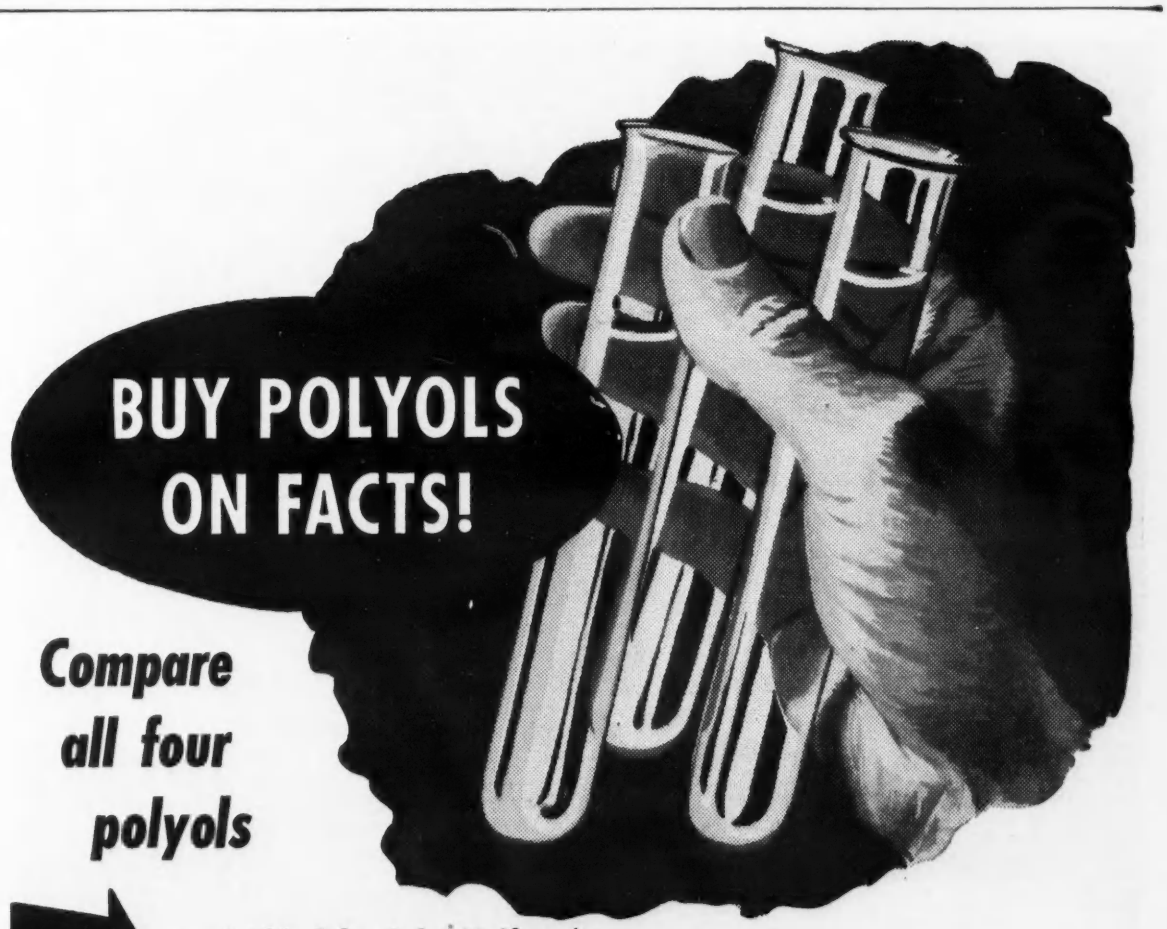
2, 4-D bbls., c.l., works frt. equald. lb. .61 - —
l.c.l., same basis lb. .67 - —
2,4-D isopropyl ester, dms., c.l., works lb. .67 - —
l.c.l., works lb. .72 - .74
Damiana leaves, bls lb. .28 - .30
Dandelion root, bls lb. .45 - .50
DDD, tech., fine grd. fib. dms., c.l., works lb. .60 - —
l.c.l., works lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald lb. .48 - .50
smaller lots, same basis lb. .50 - .53
Decanol, normal, tech., dms., c.l., dlvd lb. .419 - —
l.c.l. dlvd lb. .439 - —
tanks, dlvd lb. .394 - —
Deertongue leaves, bls lb. .37 - .40
Defluorinated phosphate, 13% P. paper bgs., works ton 49.25 - —
18½% P. paper bgs., works ton 62.75 - 63.75
Rock, 14½% P. paper bgs., works ton 50.00 - —
Degras, common, bbls lb. .13½ - .14
Neutral, less 2% ffa, bbls lb. .21 - .30
over 2% ffa., bbls lb. .20 - .29
Derris root, 5% rotenone powd., bbls lb. .32 - .35
Desoxyephedrine hydrochloride, dextro, bots lb. 30.00 - 34.00
dextro-laevo, bots lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N. Y. 100 lbs. 8.96 - —
l.c.l. 100 lbs. 9.11 - —
canary, paper bgs., c.l. 100 lbs. 8.70 - —
l.c.l. 100 lbs. 8.85 - —
dark, paper bgs., c.l. 100 lbs. 8.80 - —
l.c.l. 100 lbs. 8.95 - —
white, paper bgs., c.l. 100 lbs. 8.54 - —
l.c.l. 100 lbs. 8.69 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs higher.
Potato, bgs lb. .09 - .09¼
Dextrose, USP, dms lb. .17¾ - —
Diacetone (see Aiconol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 4.60
laboratory, grade, bots 100 grams 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. No prices.
l.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic cost ton 52.00 - 55.00
California ton 42.00 - 45.00
l.c.l., ex whse ton 85.00 - 90.00
purified, bgs., c.l., Atl. ton 65.00 - —
California ton 53.00 - —
l.c.l., ex whse ton 95.00 - 100.00
Atlantic coast ton 95.00 - 100.00
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .92¾ - —
l.c.l., works lb. .93¾ - —
tanks, works lb. .91 - —
Dibutyl phthalate, dms., c.l., dlvd., E lb. .37¾ - —
l.c.l., same basis lb. .38¾ - —
tanks, same basis lb. .36 - —
Dibutyl sebacate, CP, dms., c.l., works lb. .92 - —
l.c.l., works lb. .93 - —
tanks, works lb. .90¼ - —
tech., dms., c.l., works lb. .90 - —
l.c.l., works lb. .91 - —
tanks, works lb. .88¼ - —
Tartarate, dms., works, frt. alld. lb. .79 - —
Dibutylamine, dms., c.l., frt. alld. lb. .54¾ - —
l.c.l., frt. alld lb. .55¾ - —
tanks, frt. alld lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .41½ - —
l.c.l., dlvd lb. .42½ - —
tanks, dlvd lb. .39¾ - —
Sebacate, dms., c.l., works lb. .78½ - —
l.c.l., works lb. .79½ - —
tanks, works lb. .76¾ - —
Dichloroanilin, dms., works lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04 - —
Dicyclohexylamine, dms., c.l., works. lb. .46 - —
l.c.l., works lb. .46¾ - —
tanks, works lb. .44½ - —
Dicyclohexylphthalate, fib dms., c.l., works lb. .60 - —
l.c.l., same basis lb. .61 - —
Dieldrin, dms., frt. alld lb. 2.60 - —
l.c.l., frt. alld lb. 3.04 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .29¼ - —
l.c.l., same basis lb. .30¼ - —
tanks, same basis lb. .27½ - —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾ - —
l.c.l., same basis lb. .47¾ - —
tanks, same basis lb. .45 - —
Diethyl maleate, dms., c.l., dlvd. lb. .50 - —
l.c.l., dlvd lb. .48¼ - —
tanks, dlvd lb. .48½ - —
Oxalate, dms., c.l., frt. alld lb. .41¾ - —
l.c.l. same basis lb. .42¾ - —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .32¾ - —
l.c.l., dlvd lb. .33¾ - —
tanks, dlvd lb. .31 - —
Sulphate, dms., c.l., works lb. .18¾ - —
l.c.l., works lb. .19¼ - —
tanks, works lb. .17 - —
Dichlorodiphenyldichloroethane (see DDD)
Diethylamine, dms., c.l., frt. alld. E lb. .62¼ - —
l.c.l., same basis lb. .63¼ - —
tanks, same basis lb. .60½ - —
Diethylanilin, dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .20¼ - —
l.c.l., same basis lb. .21¼ - —
tanks, same basis lb. .18½ - —
Boriborate, dms., l.c.l lb. .30½ - —
Diethylether, dms., c.l., works lb. .46½ - —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾ - —
l.c.l., works lb. .29¼ - —
tanks, works lb. .27 - —
Monobutylether acetate dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½ - —
Monoethylether, dms., c.l., works lb. .20¼ - —
l.c.l., works lb. .20¾ - —
tanks, works lb. .19 - —
Monoethylether acetate, dms., c.l., works lb. .26¾ - —
l.c.l., works lb. .27¼ - —

Corrosive Sublimate—Di-isobutylene

Diethyleneglycol monomethylether, dms., c.l., works lb. .24¾ - —
l.c.l., works lb. .25¼ - —
tanks, works lb. .23½ - —
Diethylenetriamine, dms., c.l., dlvd. E lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½ - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .67½ - —
l.c.l., same basis lb. .68½ - —
tanks, same basis lb. .65¾ - —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo. 115.00 - 150.00
1 kilo lot kilo. 135.00 - 150.00
Digitalis, leaves, bls lb. 1.10 1.20
Digitoxin, USP, bots gram. 7.75 - 8.50
Diglycol, laurate, dms lb. .32½ .37
Oleate, dms lb. .32 —
Stearate, dms lb. .25 .27
Dihexyl sebacate, dms., c.l., works. lb. .76½ - —
l.c.l., works lb. .77½ - —
tanks, works lb. .74¾ - —
Dihydrazine sulphate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride and sulphate, bulk, 50 kilos or more gram. .324 - —
unlabeled 1-gram vials, 1 to 500,000 vials vial .384 - —
5-gram vials, 1 to 500,000 vials vial 1.766 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 3.00
tech., dms lb. 1.15 1.25
Di-isobutyl ketone dms., c.l., dlvd. lb. .17¾ - —
l.c.l., dlvd. lb. .18¾ - —
tanks, dlvd lb. .16 - —
Di-isobutylene, dms., c.l., works lb. .09¼ - —
l.c.l., works lb. .10 - —
tanks, works lb. .07½ - —



FACT No. 1 . . . **Sorbitol for Color Uniformity**

Every lot of Atlas Sorbo® is clear, and water white. This means that your end product will be uniform . . . eliminates the need for adjusting your formulas or processes to compensate for color variations.

FACT No. 2 . . . **Sorbitol for Price and Price Stability**

On price stability alone, sorbitol rates as the "best buy" in polyols. Its price trend through the years has been steadily downward. Still another price reduction has been made recently. Ask about it.

FACT No. 3 . . . **Sorbitol for Availability**

Sorbitol, derived from sugar, is available in unlimited quantities. You don't need to worry about shortages of sorbitol or its derivatives.

Write today for the valuable 22-page Atlas sorbitol book containing charts, usage tables, and other helpful data. Personal technical assistance is available at your request.

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ATLAS POWDER COMPANY, CANADA, LTD., BRANTFORD, CANADA

Di-iso-octyl Phthalate—Dyes, Coaltar, for Stains, Oil-Soluble

Di-iso-octyl phthalate, dms., c.l., dlvd	lb.	.41¾-	—
l.c.l., same basis	lb.	.42¾-	—
tanks, same basis	lb.	.40 -	—
Di-isopropylamine, dms., c.l., works, frt. alld., E. of Miss	lb.	.49¾-	—
l.c.l., same basis	lb.	.50¾-	—
tanks, same basis	lb.	.48 -	—
Dillseed, dewhiskered, bgs	lb.	.12 -	.13¼
Dimethyl anthranilate, cns	lb.	5.50	5.90
Chloroacetal dms. c.l. works	lb.	.53 -	—
l.c.l., works	lb.	.55 -	—
tanks works	lb	.51 -	—
Hydroquinone, dms	lb.	2.25	2.75
Phthalate dms., c.l., dlvd	lb.	.29¼ -	.29¾
l.c.l. dlvd	lb.	.30¼ -	.30¾
tanks dlvd	lb.	.27½ -	.28
Sebacate, dms., c.l., works	lb.	1.31¾-	—
l.c.l., works	lb.	1.32¾-	—
tanks, works	lb.	1.30 -	—
Sulphate, 55-gal. ret. dms., c.l., works	lb.	.15 -	—
l.c.l. works	lb.	.16 -	—
10-gal. ret dms., works	lb.	.16½-	—
Dimethylamine 25-40%, dms., c.l., works, basis 100%	lb.	.37	.38
l.c.l., works, basis 100%	lb	.37½	.38½
tanks, works, basis 100%	lb.	.32 -	—
Dimethylanilin, dms., c.l., frt. alld.	lb.	.26 -	—
l.c.l. frt. alld	lb	.27 -	—
tanks, frt. allo	lb.	.25 -	—
Dimethylethanolamine, dms., c.l., dlvd	lb	1.43 -	—
l.c.l., dlvd	lb	1.45 -	—
tanks, dlvd	lb.	1.40 -	—
Dinitroanilin, dms., frt. equald	lb.	.57 -	—
Dinitrobenzene, crude, dms	lb.	.20 -	—
purified, dms.	lb.	.22 -	—
Dinitrochlorobenzene, dms., c.l., frt. alld. E	lb.	.13¼-	.18
l.c.l., frt. alld. E	lb.	.15¾-	.19
tanks, frt. alld. E	lb.	.15 -	.17
Dinitrophenol, bbls	lb.	.34 -	—
Dinitrotoluene oily, dms.	lb.	.10 -	—
refd., dms.	lb.	.21 -	—
Dioctyl adipate, dms., c.l., works	lb.	.47½-	—
l.c.l., works	lb.	.48½-	—
tanks, works	lb.	.45¾-	—
Phthalate, dms., c.l., frt. alld	lb.	.41¾-	—
l.c.l., frt. alld	lb.	.42¾-	—
tanks, frt. alld	lb.	.40 -	—
Diorthotolyiguanidin, dms., ton lots, dlvd	lb.	.52 -	—
smaller lots, dlvd	lb.	.53 -	—
Dioxane, dms., c.l., works	lb.	.28¾-	—
l.c.l., same basis	lb.	.29¼-	—
tanks, same basis	lb.	.27 -	—
Dip oil (see Tar acid oil).			
Dipentaerythritol, bgs., c.l., works,	lb.	.34 -	—
l.c.l., works	lb.	.37 -	—
Dipentene, dest-dist., dms., extra, c.l., works	gal.	.49 -	—
l.c.l., works	gal.	.50 -	—
whse.	gal.	.68 -	—
steam-dist., dms., c.l., works, south	gal.	.60 -	—
l.c.l., works South	gal.	.69 -	—
dlvd., N Y	lb	.83 -	—
Diphenyl, bbls. c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.16 -	.20
Oxide, perfume grade, cns	lb.	.54 -	.91
Phthalate, dms., c.l., works	lb.	.51¾-	—
l.c.l., same basis	lb.	.53¾-	—
Diphenylamine, refined, gran., bbls., c.l., works	lb	.28 -	—
l.c.l., works	lb	.30 -	—
tankcars, works	lb	.25 -	—
tech., tankcars, works	lb.	.24 -	—
Diphenylguanidin, dms., ton lots	lb.	.43 -	—
smaller lots	lb.	.44 -	—
Diphenylhydantoin-sodium, USP, dms.	lb.	5.30 -	5.60
Dipropyleneglycol, dms., c.l., frt. alld	lb.	.16¾-	.17
l.c.l., same basis	lb.	.17¾-	.18
tanks, same basis	lb.	.15 -	—
Methylether, dms. c.l., frt equald.	lb.	.19¾-	—
l.c.l., same basis	lb.	.20¾-	—
tanks, same basis	lb.	.18¼-	—
Di-tertiary-butylmetacresol, dms., c.l., works	lb.	.31 -	—
l.c.l., works	lb.	.32 -	—
tanks, works	lb.	.30 -	—
Di-tertiary butylparacresol, dms., c.l., works	lb.	.91 -	—
l.c.l., works	lb.	.95 -	—
Divi-divi 45% tannin bgs. bls., c.l., U.S. ports, ex dock	ton.	70.00 -	—
Divinylbenzene 20-25%, dms., c.l., works	lb.	.20 -	—
l.c.l., works	lb.	.21 -	—
tanks, works	lb.	.19 -	—
40-50%, basis 100%, dms., c.l., works	lb.	1.17 -	—
l.c.l., works	lb.	1.27 -	—
Dodecylbenzene, dms., c.l., works	lb.	.16 -	—
l.c.l., works	lb.	.17 -	—
tanks, works	lb.	.13½-	—
Doggrass root, dom., cut, bls	lb.	.26 -	.28
imp., cut, bls	lb.	.28 -	.35
Dogwood bark, Jamaica, bls	lb.	.11 -	.13
Dragon's blood, drops, cs	lb.	.45 -	.47
mass, cs	lb.	.90 -	1.00
reeds, cs	lb.	1.60 -	1.65

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb lots, dlvd:—

Blue, FD&C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns	lb.	17.00	-17.60
Green, FD&C, No. 1, cns	lb	17 00	-17.60
No. 2, cns	lb.	22.20	-22.85
No. 3, cns	lb	35.25	-35.90
Orange, FD&C, No. 1, cns	lb	3.66	- 3.75
No. 2, cns	lb.	4.65	- 4.75
Red, FD&C, No. 2, cns	lb	7.55	- 7.85
No. 2, cns	lb	4.00	4.10
No. 3, cns	lb.	22.20	-22.85
No. 4, cns	lb	7.20	7.50
No. 32 cns	lb.	5.30	5.40
Violet, FD&C, No. 1, cns	lb.	17.00	-17 60
Yellow FD&C, No. 1, cns	lb	10.50	-11.05
No. 3, cns	lb	3.30	3.40
No. 4, cns	lb	3.30	3.40
No. 5 cns	lb	4.00	4.10
No. 6, cns	lb	4.00	4.10

Dyes, coaltar certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb lots, dlvd.:—

Black, D&C, No. 1, cns	lb	10.95	- —
Blue, D&C, No. 4, cns	lb.	13.55	- —
Brown, D&C, No. 1, cns	lb	16.10	- —
Green, D&C, No. 5, cns	lb.	15.10	- —
No. 6 cns	lb.	16.10	- —
No 7, cns	lb	14.80	- —
Orange, D&C, No. 3, cns	lb	10.95	- —
No. 4, cns	lb	20.05	- —
No. 5, cns	lb	5 70	- —
No. 10 cns	lb.	20 70	- —
Red, DNC No. 8, cns	lo.	3.75	- —
No. 9, cns	lb	3.75	- —
No. 10, cns	lb	3.00	- —
No 11, cns	lb.	2.25	- —
No. 12, cns	lb.	3.00	- —
No. 17, cns	lb.	10.95	- —
No. 18, cns	lb.	24.00	- —
No. 19, cns	lb.	20.05	- —
No. 21, cns	lo	4.70	- —
No. 22, cns	lb.	10.95	- —
No. 28, cns	lb.	24.65	- —
No 33 cns	lb.	17.45	- —
Violet, D&C, No. 2, cns	lb	16.10	- —
Yellow, D&C, No. 7, cns	lb	10.95	- —
No. 8 cns	lb.	10.95	- —
No. 10 cns	lb.	13.50	- —
No. 11 cns	lb.	13.50	- —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb lots, works, 25-50 lb. lots dlvd:—

Blue, Ext., D&C, No. 1, cns	lb.	16.10	- —
Green, Ext., D&C, No. 1, cns	lb.	16.10	- —
Red, Ext, D&C, No 1, cns	lb.	13.50	- —
Yellow, Ext., D&C, No. 1, cns	lb.	10.95	- —

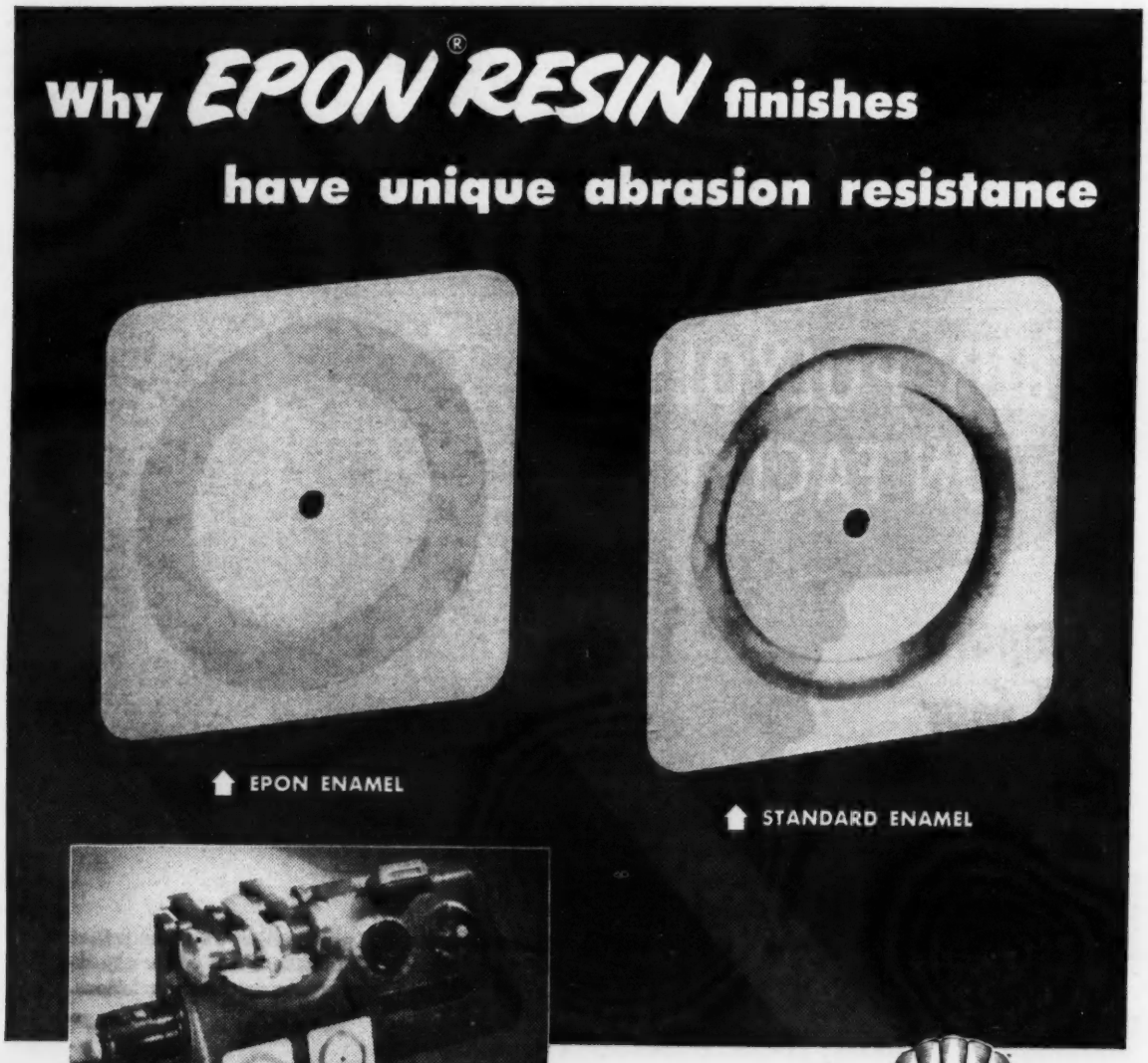
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

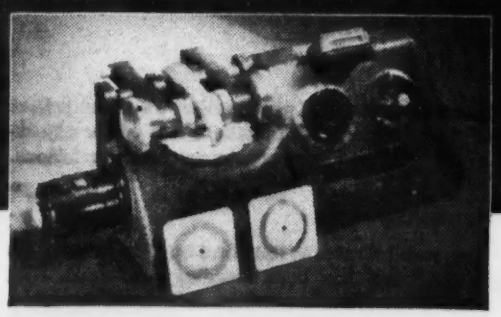
20	Orange AD	lb.	.64	- —
27	Fast light orange 2G	lb.	.78	- —
31	Phloxine 2G	lb.	.64	- —
36	Alizarine yellow 2G	lb.	.83	- —
40	Orange S extra, conc	lb.	1.06	- —
57	Fuchsine 6B	lb.	.57	- —
79	Scarlet 2R	lb.	.74	- —
151	Orange V	lb.	.47	- —
161	Orange RR	lb.	.55	- —
176	Fast red A, conc	lb.	.90	- —
179	Azo rubine XX, conc	lb.	1.04	- —
180	Blue F4B	lb.	.92	- —
185	Brilliant scarlet 3RN, conc	lb.	.93	- —
202	Chrome blue black, conc	lb.	.68	- —
203	Chrome black T	lb.	.71	- —
208	Fast blue SR	lb.	.91	- —
216	Chrome red B	lb.	.84	- —
234	Resorcin brown	lb.	.89	- —
246	Blue black, extra, conc	lb.	.86	- —
275	Milling red 3R, conc	lb.	2.03	- —
289	Navy blue 3R, conc., 125%	lb.	1.09	- —
299	Black E, conc	lb.	1.40	- —
304	Neutral black 2B, conc., 200%	lb.	2.01	- —
326	Fast scarlet 4BNC	lb.	1.64	- —
332	Bismarck brown RX, conc.	lb.	.86	- —
365	Brilliant yellow, conc	lb.	2.34	- —
382	Scarlet B	lb.	1.65	- —
401	Diazo black, BHD	lb.	.63	- —
406	Blue 2B extra, conc	lb.	1.07	- —
419	Diamine fast red FC	lb.	1.12	- —
420	Diamine brown M	lb.	.90	- —
448	Benzo purpurine 4B, conc.	lb.	1.18	- —
518	Diamine sky blue FF, extra, conc., 150%	lb.	2.25	- —
561	Trisulphon brown BCW, conc	lb.	2.03	- —
581	Direct black E, double	lb.	.89	- —
593	Diamine green BXN, conc. 150%	lb.	.97	- —
598	Congo brown GG, conc. 150%	lb.	1.46	- —
620	Stilbene yellow G, conc	lb.	.92	- —
639	Xylene light yellow GX	lb.	1.79	- —
640	Tartrazine, conc	lb.	1.46	- —
655	Auramine, conc	lb.	1.85	- —
667	Victoria green sml. cryst.	lb.	2.10	- —
662	Brilliant green cryst	lb.	2.79	- —
667	Brilliant milling green B, conc	lb.	3.68	- —
671	Brilliant Blue E	lb.	1.73	- —
680	Methyl violet S, conc	lb.	1.10	- —
681	Crystal violet powder	lb	2.15	- —
698	Formyl violet S4B	lb.	1.50	- —
720	Chrome azure blue BR, conc. 200%	lb	3.75	- —
729	Victoria blue B, conc	lb.	2.79	- —
739	Green SN, extra	lb.	2.41	- —
749	Rhodamine B, extra	lb.	4.33	- —
814	Fast yellow NNL, conc. 175%	lb.	3.11	- —
841	Safranine T, extra, conc., 125%	lb.	2.90	- —
865	Nigrosine WSJ	lb.	.68	- —
922	Methylene blue ZX	lb.	1.55	- —
969	Sulphanthrene blue GR paste,	lb.	.76	- —
978	Sulphogene carbon HCF grains	lb.	.32	- —
1034	Alizarin red S, conc	lb.	2.59	- —
1054	Anthraquinone blue B	lb.	2.91	- —
1078	Anthraquinone green G	lb.	2.72	- —
1085	Alizarin blue black B	lb.	2.33	- —
1096	Indanthrene golden orange G, single paste	lb.	2.00	- —
	double paste	lb.	4.00	- —
1099	Indanthrene dark blue BO, single paste	lb.	1.75	- —
1101	Brilliant green B, double paste	lb.	2.36	- —
1106	Indanthrene blue RS, double paste	lb.	2.57	- —
1113	Indanthrene blue GCD, double paste	lb.	1.75	- —
1150	Indanthrene olive R, single paste	lb.	1.10	- —
1151	Indanthrene brown R, single paste	lb.	1.68	- —
	double paste	lb.	3.35	- —
1212	Sulphanthrene red violet 2RN, single paste	lb.	1.62	- —
1217	Sulphanthrene orange R, single, paste	lb.	1.65	- —
p-4	Acid anthracene brown PGN,	lb.	2.31	- —
p-14	Anthracene chromate brown EBN	lb.	1.31	- —
p-24	Benzo fast black L, conc., 150%	lb.	2.18	- —
p-80	Diazo brilliant scarlet ROA	lb.	2.79	- —
p-202	Zambesi black V	lb.	1.06	- —
p-313	Naphthol AS-SW	lb.	2.42	- —
p-244	Celliton scarlet B	lb.	1.31	- —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550	lb.	.81	- —
Jet, No. 551	lb.	.89	- —
Brown R, conc.	lb.	1.72	- —
Orange R, brilliant	lb.	.90	- —
Red 4 B, conc.	lb.	1.37	- —
Yellow C	lb.	1.18	- —
FN, conc.	lb.	1.22	- —

Why EPON® RESIN finishes have unique abrasion resistance





The unparalleled toughness of an EPON resin finish is plainly evident in this test.

The Set-Up. Two metal panels, one coated with a widely used enamel, the other with an Epon resin enamel, rotate 1000 times on a turntable. Two abrasive wheels scrape each revolving panel.

The Result. The Epon resin finish shows no wear other than a slight decrease in gloss. The conventional enamel is completely worn away.

The Reason. The Epon resin molecule is of an entirely new class of condensation polymers. The molecule is so formed that it is inherently hard and imparts outstanding wear resistance to finishes. Epon resin surface coatings also have unusual flexibility and high resistance to detergents, caustic solutions, many acids and stain-producing agents.

Send for samples and our brochure on Epon resins today.

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IN CANADA
Shell Oil Company of Canada, Limited
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Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—

Auramine, O	lb.	1.83	—
Black, basic blue	lb.	1.21	—
Jet	lb.	1.21	—
Blue, methylene, 2 B, conc.	lb.	1.55	—
Brown, Bismarck, R, conc.	lb.	.86	—
Chrysodine, R, extra	lb.	.60	—
Y, extra	lb.	.64	—
Fuchsine, conc	lb.	3.08	—
Green, malachite, conc	lb.	2.10	—
Rhodamine B	lb.	4.33	—
Safranine, Y, conc	lb.	2.90	—
Violet, methyl B	lb.	1.10	—

Dyes, coaltar, for stains, water-soluble, 100-lb dms., sellers' works:

Azo rubine R extra, conc	lb.	1.04	—
Black, acid blue B, extra	lb.	.86	—
Orange Acid, Y, conc	lb.	.47	—
Scarlet croceine, MOO	lb.	1.45	—
Yellow azo, conc	lb.	.90	—
Fast light, 2 G, extra	lb.	2.04	—
Methanil, conc	lb.	.91	—

Oil-soluble, spirit-soluble, water soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.65	Nom.
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.09	- 1.12
Chinese, spot, bbls., duty paid	lb.	No stocks.	
tanners bbls	lb.	.06	06½
Elder flowers, bright, bls	lb.	.30	.40
Elecampane root bls	lb.	.21	.25
Elm bark grinding, bls	lb.	.30	.35
powd., bbls., bxs	lb.	.40	.45
select, bundles	lb.	.50	.55
Emetine hydrochloride, USP, bots.	oz.	38.75	-42.85
Ephedrine synthetic USP, anhydrous bots., 100-oz. lots	oz.	.98	- 1.00
hydrous, bots., 100-oz. lots	oz.	.92	- —
Hydrochloride, tin, 100-oz. lots	oz.	.75	- —
Sulphate cryst., tins, 100-oz. lots	oz.	.72	- —
powd., tins, 100-oz. lots	oz.	.75	- —
Epichlorohydrin dms. c.l., works	lb.	.38¾	—
t.c.l., works	lb.	.39½	—
tanks works	lb.	.37	—
Epinephrine, synth., USP, bots., 100 grams	gram.	.45	- .55
Epsom salt, tech, bgs., c.l., works 100 lbs.		2.15	—
t.c.l., works 100 lbs		2.90	3.15
USP, cryst., bgs., c.l., works 100 lbs.		2.35	—
t.c.l., 5,000 lbs., 1 withdrawal 100 lbs.		3.10	—
smaller lots 100 lbs.		3.35	—
Ergosterol, unirradiated, cryst	kilo	150.00	—
Ergot, NF, dms., tin-lined	lb.	7.50	8.00
Eserine, bots	oz.	45.00	-50.00
Salicylate USP bots	oz.	32.50	-34.00
Sulphate, bots	oz.	34.50	-35.50
Ether acetate (see Ethyl acetate).			
Butyl, dms., c.l., works	lb.	.34	—
t.c.l., works	lb.	.34½	—
tanks, works	lb.	.32½	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purified, dms., frt. equald	lb.	.17½	—
t.c.l. same basis	lb.	.18	—
tanks same basis	lb.	.16	—
technical, dms., c.l., works	lb.	.16½	—
t.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Ethyl, absolute, ACS, dms	lb.	.37	—
anesthesia, USP, hospitals, 1-lb. cns	lb.	.89	—
½-lb cns	lb.	.97	—
¼-lb cns	lb.	1.05	—
solvent, USP, dms., c.l., divd.	lb.	.15¾	—
t.c.l., same basis	lb.	.16¾	—
tanks, same basis	lb.	.13¾	—
synthetic, dms., c.l., divd, E	lb.	.1575	—
t.c.l., same basis	lb.	.1675	—
tanks, same basis	lb.	.1375	—
Isopropyl, dms., c.l., divd	lb.	.06¾	.09¼
t.c.l., divd	lb.	.07½	.10
tanks, divd	lb.	.05	.07½
Nitrous, conc., bots., 100-lb. lots	lb.	1.28	- 1.35
Vinyl, USP, anesthesia, bots, 50 cc, hospitals	bot.	1.12	—
75 cc, hospitals	bot.	1.56	—
Ethyl acetate, natural, fermentation 85-88% dms., c.l., frt. alld.	lb.	.12¾	.21¾
t.c.l., frt. alld	lb.	.13¼	.22¾
tanks, frt. alld	lb.	.11	- .20
95-98%, dms., c.l., frt. alld.	lb.	.13	- .22
t.c.l., frt. alld	lb.	.13¾	.23
tanks, frt. alld	lb.	.11¼	.20¼
99%, dms., c.l., frt. alld.	lb.	.13¼	.22¼
t.c.l., frt. alld	lb.	.14	- .23¼
tanks, frt alld	lb.	.11½	.20½
NF, dms frt alld	lb.	.24	.25
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.12¾	—
t.c.l., frt. alld	lb.	.13½	—
tanks, frt. alld	lb.	.11	- —
95-98%, dms., c.l., frt. alld.	lb.	.13	- —
t.c.l., frt. alld	lb.	.13¾	- —
tanks, frt. alld	lb.	.11¼	- —
99%, dms., c.l., frt. alld	lb.	.13¼	- —
t.c.l., frt. alld	lb.	.14	- —
tanks, frt. alld	lb.	.11½	- —
Acetoacetate, dms., c.l., divd	lb.	.55	- —
t.c.l., divd	lb.	.56½	—
Acrylate, dms., c.l., and truckload, divd	lb.	.49	- —
less than truckload, divd	lb.	.49½	- —
tanks, divd	lb.	.48	- —
Aminobenzate, USP (see Benzocaine).			
Benzoate, cns., dms	lb.	.74	.79
Bromide, tech., 98%, dms	lb.	.43	.47
Butyrate bots	gal.	6.10	6.60
cns., dms. works	lb.	.80	1.02
Carbamate (see Urethane).			
Chloride tech dms. c.l., works.	lb.	.18	.20
cyls. c.l., same basis	lb.	.20	.22
tanks same basis	lb.	.10	—
USP bbls., cyls	lb.	.22	.24
Cinnamate, cns	lb.	2.25	2.50
Formate, dms	lb.	.60	—
Gallate, dms., 100 lb. to 2,000 lb. lots, works	lb.	3.90	4.40
Iodide, bots., works	lb.	4.13	- —
cbys., works	lb.	3.50	- —
Lactate, dms., works	lb.	.47½	—
Methacrylate dms., c.l., and truckload works	lb.	.50	—
less than truckload, works	lb.	.50½	—
Nitrite (see Ether nitrous).			
Oenanthate, dms	lb.	1.00	1.50
Oleate, dms., t.c.l., works	lb.	No prices.	
Oxalate (see Diethyl oxalate).			
Silicate dist. (see Tetraethyl orthosilicate).			
40% available SiO, dms., works,	lb.	.60½	—
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).			
Ethylaniline (see Monoethylaniline)			
Ethylbenzene dms., c.l.	lb.	.14	—
c.l.	lb.	15	—
tanks	lb.	13	—
Ethylbutyl ketone, dms., c.l., works,	lb.	.33½	—
t.c.l., works	lb.	.34	—
tanks	lb.	.32	—
Ethylcellulose, bags, 5,000-lb. lots, works	lb.	.65	—
smaller lots, works	lb.	.67	.75
Ethylene dichloride, dms., c.l., works, frt. alld., E. of Rockies	lb.	.11¾	—
t.c.l., works frt. alld., E. of Rockies	lb.	.12¾	—
tanks, frt. alld., E. of Rockies,	lb.	.10	—

Ethylene dichloride prices W. of Rockies, 1c per lb. higher.

Oxide, cyls., c.l., frt. equald	lb.	.26	—
t.c.l., frt. equald	lb.	.27	—
tanks, divd E	lb.	.19	—

Trichloride (see Trichloroethane).

Ethylenediamine, 76%, dms., c.l., divd	lb.	.49	—
t.c.l., divd	lb.	.50	—
tanks, divd	lb.	.47	—
Ethyleneglycol dms., c.l., frt. alld. E	lb.	.18¾	—
t.c.l., same basis	lb.	.19¾	—
tanks, same basis	lb.	.17	—
Diethylether dms., t.c.l., works,	lb.	.55	—
Monobutylether, dms., c.l., works,	lb.	.23¾	—
t.c.l., works	lb.	.24¼	—
tanks, works	lb.	.22	—
Monoethylether, dms., c.l., works,	lb.	.20¼	—
t.c.l., works	lb.	.20¾	—
tanks, works	lb.	.19	—
Monoethylether acetate, dms., c.l., works	lb.	.19¾	—
t.c.l., works	lb.	.20¼	—
tanks, works	lb.	.18	—

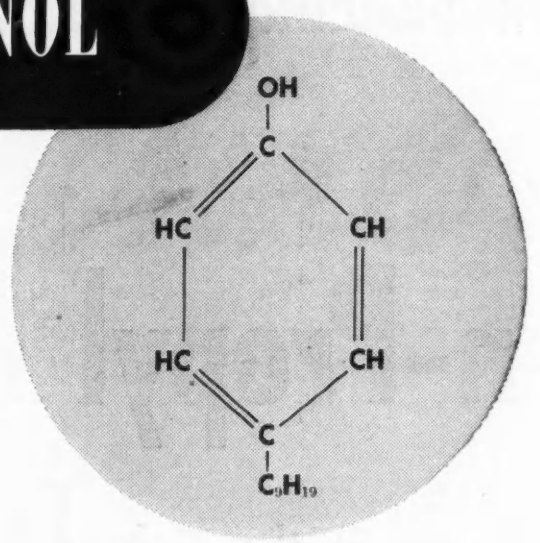
Dyes, Coaltar, for Stains, Spirit-Soluble—Fluorspar, Washed Gravel, 65-70%

Ethyleneglycol monomethylether, dms., c.l., works	lb.	.22	—
t.c.l., works	lb.	.22½	—
tanks, works	lb.	.21	—
Monomethylether acetate, dms., c.l., works	lb.	.28¾	—
t.c.l., works	lb.	.29¼	—
tanks, works	lb.	.27	—
Monostearate, dms.	lb.	.35	.42½
Ethylethanolamines, mixed, dms., c.l., frt alld., E Miss	lb.	.42	—
t.c.l., same basis	lb.	.43	—
tanks, same basis	lb.	.40	—
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	—
Ethylorthotoluidine (see Monoethyl-orthotoluidin).			
Ethylvanillin, cns., 25 lbs	lb.	6.75	7.30
smaller lots	lb.	7.35	7.40
Eucalyptol, USP, cns., dms	lb.	2.35	3.10
Eucalyptus leaves, bls	lb.	.10	.11
Eugenol, pure, USP, bots	lb.	3.80	- 4.25
Euphorbia, herb, bls	lb.	.13	.14

F

Feldspar enamel, 100 mesh, bgs., works	ton.	20.00	-22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	-12.50
Pottery, bgs., ton lots, works	ton.	20.00	-22.00
bulk, c.l., works	ton.	18.00	-20.00
Fennel seed, Czech, dark, bgs	lb.	.13½	- .14
light, bgs	lb.	.20	- .20½
French bgs	lb.	No stocks.	
Indian, bgs	lb.	No prices.	
Syrian, light, bgs	lb.	.20	- .21
Fenugreek seed, Indian, bgs	lb.	No prices.	
Moroccan, bgs	lb.	.05½	- .05¾
Tunisian, bgs	lb.	.05½	- .06
Ferric-ammonium citrate (see iron ammonium citrate).			
Ferric cacodylate (see iron cacodylate).			
Ferric glycerophosphate (see iron glycerophosphate).			
Ferric hypophosphite (see iron hypophosphite).			
Ferric sulphate (see iron sulphate-ferric)			
Ferrous gluconate, NF, dms	lb.	.88	- .97
Film scrap, colored, cs., works	lb.	.15	—
water-white cs., works	lb.	.20	—
Fir balsam, Canada, cns	gal.	No stocks.	
Oregon, bbls	gal.	2.35	3.25
Fishberries, bgs	lb.	.17	- .21
Fishliver oil (see Oil, fishliver).			
Fishmeal ground, domestic, 60% protein, bgs., Balto area	ton.	135.60	- —
Fishscrap, dried 60% protein, bulk, Balto area	ton.	130.00	- —
Fluorspar, acid grade, bulk, c.l., mine	ton.	60.00	- —
ceramic grade 95-98% CaF_2, grd., bulk, mine, c.l	ton.	47.60	Nom.
85% CaF_2, grd., bulk, mine	ton.	41.50	Nom.
metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l.,	ton.	38.00	Nom.
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l.	ton.	38.00	Nom.
60-65% effective CaF_2, bulk, mine	ton.	39.00	- —
65-70% effective CaF_2, bulk, mine, c.l	ton.	40.00	Nom.

NONYL PHENOL



Properties of Jefferson Nonyl Phenol indicate a wide range of application as

1. an intermediate for non-ionic detergents
2. a stabilizer for ethyl cellulose
3. a plasticizer for cellulose esters
4. an intermediate for other plasticizers
5. a starting material for production of lubricating oil additives and rubber chemicals
6. an antioxidant

A typical description of Jefferson Nonyl Phenol is:

Specific Gravity, 20/4°C	0.949
Hydroxyl Number	255
Color, Pt-Co Scale	200
Refractive Index, 20°C	1.5140
Flash Point (TOC), °F	300
Distillation Range, °C (Modified ASTM)	
IBP	290.0
5 ml.	293.0
50 ml.	295.0
95 ml.	296.5
EP	298.0

You may secure technical information and experimental samples for research and product development by writing: Market Development Division, Department A.

Jefferson
CHEMICAL COMPANY, INC.
711 FIFTH AVENUE, NEW YORK 22, N. Y.

JEFFERSON CHEMICALS

Essential Chemicals From Hydrocarbon Sources: Ethylene Oxide • Ethylene Glycol • Ethylene Dichloride • Diethylene Glycol • Monoethanolamine • Diethanolamine • Triethanolamine

Fluorspar, Metallurgical, Washed Gravel, 70%—Gum, Ester

Fluorspar, metallurgical, washed gravel 70% or better effective CaF_2, bulk, mine, c.l. ton 41.00 - —
imported, bulk, ex dock, New York ton 37 00 Nom.
Formaldehyde, NF, (inhibited), dms., c.l., E. works lb. .0625- .0675
l.c.l., E. works lb. .0675- .0725
tanks, E. works lb. .0420- .045
methanol-free (uninhibited), tanks, works lb. .0395- .0425

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .85 - .92
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines ton 38.50 - —
Illinois mines ton 37.20 - —
spent, bulk, Bayonne ton 2.00 - 4.00
imported, bgs., c.l. ton 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .13 - —
l.c.l., works lb. .15 - —
tanks, works lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd. lb. .19¾ - .20¾
l.c.l., dlvd lb. .20¾- .30¾
tanks, dlvd lb. .27 - .28
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½- —
No. 2, bbls., l.c.l. lb. .45½- —
No. 3, bbls., l.c.l. lb. .43½- —
liquid, No. 1, bbls., l.c.l. lb. .22½- —
No. 2, bbls., l.c.l. lb. .21½- —
No. 3, bbls., l.c.l. lb. .19 - —
solid, No. 1, bxs., l.c.l. lb. .45 - —

G

Galangal root, bls lb. .73 - —
Gallic acid, bbls., frt. alld lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks gal. .1265- .136
Group 3, 82 octane, tanks gal. .10375- .107
Gulf coast, 82 octane, tanks gal. .105 - .11
Pennsylvania, western U. S. motor, 86 octane, tanks gal. .1275- .13
natural, 26-70 octane, group 3, tanks gal. .06875- —
Gelatin, silver label, imported, cs. lb. 1.25 - —
Gelsenium root, bls lb. .25 - .26
Gentian root, bls lb. .18 - .22
grd., bbls., bxs lb. .22 - .26
powd., bbls., bxs lb. .23 - .27
Geraniol, extra, cns., dms. lb. 1.65 - 2.40
standard, cns., dms lb. .75 - 1.80
Geranyl, acetate, cns lb. 1.65 - 2.40
Ginger, oleoresin, NF, from African root, bots. lb. 4.75 - 7.75
root, African, bls lb. .18½- .19
May-June, steamer, bgs. lb. .20 - —
Cochin, unbleached, bgs. lb. .20 - .21
May-June, steamer, bgs. lb. .20 - —
Ginger root, Jamaica, No. 1, bgs., May shipment lb. .32 - —
No. 2, bgs. lb. .30 - .31
April-May, steamer, bgs. lb. .26½- —
No. 3, bgs. lb. .25 - .26
April-May, steamer lb. .25 - —
Rhattoon, bgs., April-May steamer lb. .23 - .24
Nigerian, split, bgs lb. .16 - .17
April shipment lb. .14 - .14½
Ginseng root, cs lb. 13.00 -16.00
Glauber's salt, anhyd (see Sodium sulphate),
cryst., bgs., c.l., works, frt. alld. ton 45.00 - —
l.c.l., works ton 50.00 - —
Glue, bone, extracted, 66 jellygrams, bgs., c.l., dlvd. lb. .24½- —
86 jellygrams, same basis lb. .25 - —
104 jellygrams, same basis lb. .25½- —
131 jellygrams, same basis lb. .26 - —
154 jellygrams, same basis lb. .26½- —
191 jellygrams, same basis lb. .27 - —
222 jellygrams, same basis lb. .28 - —
packers', 40 jellygrams, bgs., c.l., dlvd. lb .21½- —
65 jellygrams, same basis lb. .22½- —
86 jellygrams, same basis lb. .23 - —
115 jellygrams, same basis lb. .24 - —
135 jellygrams, same basis lb. .25 - —
164 jellygrams, same basis lb. .26 - —
185 jellygrams, same basis lb. .27 - —
renderers', 110 jellygrams, bgs., c.l., dlvd lb. .22 - —
Bone glue, l.c.l. prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd. lb. .26 - —
95-121, bgs., c.l., dlvd lb. .27½- .28
122-149, bgs., c.l., dlvd lb. .29 - .29½
150-177, bgs., c.l., dlvd lb. .30 - .31
178-206, bgs., c.l., dlvd lb. .31 - .32
207-236, bgs., c.l., dlvd lb. .32 - .33
237-266, bgs., c.l., dlvd lb. .33 - .34
Glue, hide, 267-296, bgs., c.l., dlvd lb. .34 - .35
299-330, bgs., c.l., dlvd lb. .35 - .36
331-362, bgs., c.l., dlvd lb. .36 - .37
363-394, bgs., c.l., dlvd lb. .37 - .38
395-427, bgs., c.l., dlvd lb. .38 - .39
428-460, bgs., c.l., dlvd lb. .40 - .41
461-494, bgs., c.l., dlvd lb. .41 - .43
495-529, bgs., c.l., dlvd lb. .42 - .45
Hide glue l.c.l. prices 1c. higher than c.l.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd. lb. .20 - —
soaplye, 80%, tanks, dlvd. lb. .18 - —
dynamite, dms., c.l., dlvd. lb. .33¾- —
l.c.l., dlvd. lb. .34¼- —
tanks, dlvd. lb. .33¼- —
high gravity, dms., c.l., dlvd lb. .34 - —
l.c.l., dlvd. lb. .34½- —
tanks, dlvd. lb. .33½- —
refined, BP, 98%, dms., c.l., dlvd. lb. .35⅝- —
l.c.l., dlvd. lb. .36⅛- —
tanks, dlvd. lb. .35⅛- —
USP, CP, 95%, dms., c.l., dlvd. lb. .34½- —
l.c.l., dlvd. lb. .35 - —
tanks, dlvd. lb. .34 - —
yellow, distilled, dms., c.l., dlvd. lb. .33⅞- —
l.c.l., dlvd. lb. .34⅜- —
tanks, dlvd. lb. .33⅜- —
Glycine, USP, (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l. works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots. oz. 23.50 -24.00
acid-yellow, bots oz. 21.00 -21.50
Goldenseal root, bls lb. 3.60 - 4.00
powd., bxs lb. 3.90 - 4.25
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots oz. 14.50 -15.50
Grains of paradise, bgs lb. .30 - .32
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .05 - .095
crystalline, 88-90%, powd., bgs., fib dms., ex whse lb. .19 - .215
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
Graphite, flake, No. 1, 90-95%, bgs., fib. dms., ex. whse lb. .29 - .31
No. 2 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, loose, dlvd lb. .03½- —
house lb. .03¾- —
white, choice lb. .05½- —
yellow lb. .04 - —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 4.50 - —
tungstated, PTMA, kgs., works lb. 5.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island St. Louis lb. .38 - —
6-10% bbls., same basis lb. .59 - —
11-15% bbls., same basis lb. .40 - —
16-20% bbls., same basis lb. .40½- —
21-25% bbls., same basis lb. .41¼- —
26-30% bbls., same basis lb. .41¾- —
31-35% bbls., same basis lb. .42¾- —
36-40% bbls., same basis lb. .44½- —
41-45% bbls., same basis lb. .46 - —
46-50% bbls., same basis lb. .47¾- —
50% and over, bbls. same basis lb. .48¾- —
reduced color, 25%, bbls., same basis lb. .17 - .17¼

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld lb. .95 - 1.20
pure c.l., bgs., frt. alld lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Marine toner, thioflavin malachite, molybdated, PMA, bbls., works lb. 4.25 - —
tungstated, PTMA, kgs. lb. 5.67 - —
Paris (see Paris green).
Phthalocyanin toner, bbls., works, lb. 4.40 - —
resinated, bbls lb. 4.00 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
Grindelia robusta herb, bls lb. .30 - .32
Guaiac resin, NF, cs lb. .55 - .60
ordinary, cs lb. .49 - .51
Guaiacol cryst., tins lb. 1.90 - —
liquid, NF, bots., cbys lb. 2.15 - 2.20
Guaiacol carbonate, dms lb. 3.15 - 3.20
Guarana powd., cs lb. 1.50 - 1.75
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs lb. .35 - .45
Arabic, amber sorts, bgs lb. .14½- .15
powdered, USP, bbls lb. .19 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .40 - .45
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - —
Copal, Congo, No. 1, bgs lb. .25 - .27
No. 2, bgs lb. .20 - .22
No. 3, bgs lb. .17½- .19⅛
Manila, loba B, bgs lb. No prices.
C, bgs lb. .32 - .33
CBB, bgs lb. .27 - .28
CNE, bgs lb. No prices.
DBB, bgs lb. .27 - .28
DK, bgs lb. .22 - .24
dust, bgs lb. .12½- .13⅛
soft, MA, bgs lb. .25 - .26
WS, bgs lb. No prices.
Philippine, pale, chips, bgs lb. .27 - .28
nubs, bgs lb. .32 - .33
seeds, bgs lb. .20 - .21
sorts, bgs lb. .24 - .25
Pontianak, chips, bgs lb. .26 - .27
nubs, bgs lb. .40 - .41
Dammar, Batavia, A/E, bgs lb. .23 - .25
dust, bgs lb. .08 - .10
E, bgs lb. .14 - .15
East India, bales, bold, bgs lb. .13½- .14⅛
nubs and chips, bgs lb. .08 - .10
black, oold, bgs lb. .13½- .14⅛
unscraped, bgs lb. .11 - .12
nubs and chips, bgs lb. .10 - .11
pale, chips, bgs lb. .14 - .16
nubs, bgs lb. .23 - .26
Singapore, No. 1, bgs lb. .34 - .36
No. 2, bgs lb. .23 - .25
No. 3, bgs lb. .09½- .11
dust, bgs lb. .09½- .11
seeds, bgs lb. .12½- .13⅛
Elemi, cns lb. .24 - .26
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .15½- —
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc. lb. .15 - —

Announcing Production of Esters...

by Celanese

n-Propyl Acetate

latest in the Celanese Series of Industrial Solvents developed especially for Performance and Economy

N-propyl acetate is the first in a series of esters to be produced by Celanese. It is a medium boiling, low viscosity solvent with a pleasant odor and excellent blush resistance. An economical replacement for such solvents as MIBK, butyl acetate-ethyl acetate combinations, and secondary butyl acetate, Celanese* n-propyl acetate is now available in 90%-92% concentration—in volume quantities to meet both large and small scale requirements.

With the addition of n-propyl acetate, Celanese can now offer a diversified line of organic solvents, providing formulators with the flexibility and economy of split shipments in compartmented tank trucks and cars at bulk prices.

Investigate the cost-saving possibilities of n-propyl acetate. A Celanese technical representative will be glad to review your formulations, and demonstrate how Celanese solvents can give you the performance you need. Write for technical bulletin N-29-1.

Celanese Corporation of America, Chemical Division, Dept. 756-D, 180 Madison Avenue, New York 16, N. Y.

Properties

Color . . . . . 15 APHA
Spec. Grav. . . . . 0.880—0.885 @ 20/20°C
Boil. Pt. . . . . 95°C—103°C
Ester Content . . . 90%—92%

Solvents by Celanese

Solvent 203	Acetone
Solvent 301	Methanol
Solvent 601	n-Propyl Acetate
Solvent 901	Butyl Alcohols

Celanese* CHEMICALS

*Reg. U. S. Pat. Off.

Gum, euphorbium, cs	lb.	.20	- .35
Galbanum, cs	lb.	.75	- .80
Gamboge, pipe, cs	lb.	.70	- 1.00
powd., bbls	lb.	.90	- 1.20
Ghatti No. 2, bgs	lb.	.35	- .37
No. 3, bgs	lb.	.31	- .33
Guaiac (see Guaiac resin).			
Karaya, NF, powd., No. 1, bbls.	lb.	.44	- .54
No. 2, bbls	lb.	.57	- .50
No. 3, bbls	lb.	.30	- .40
Kauri, bgs	lb.	.31½	- .32¾
Kino, cs	lb.	1.15	- 2.40
Locust bean, powd., bgs	lb.	.32	- .35
Mastic, cs	lb.	1.55	- 1.85
Myrrh, cs	lb.	.30	- .35
Olibanum siftings, cs	lb.	.16	- .18
tears cs	lb.	.20	- .30
Opium (see O)			
Red (see Gum yacca).			
Rosin (see R)			
Sandarac, cks	lb.	3.20	- 4.00
Scammony, cs	lb.	1.50	- 1.55
Sterculia (see Gum karaya).			
Talha, bgs	lb.	.10	- .11
Tragacanth, No. 1, cs	lb.	3.00	- 3.05
No. 2, cs	lb.	2.60	- 2.65
No. 3, cs	lb.	1.70	- 1.75
powdered, USP, bbls	lb.	1.25	- 1.35
Yacca, bgs	lb.	.06	- —
Gypsum, anhydrous filler, paper bgs., c.l., Medicine Lodge Kan	ton.	19.00	- —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald	ton.	18.30	- —
Harlem river, N. Y., frt. equald	ton.	17.30	- —
Medicine Lodge, Kan., frt. equald	ton.	16.00	- —
Stucco, Akron, N. Y., frt. equald.	ton.	8.00	- —
Blue Rapids, Kans., frt equald	ton.	8.00	- —
Fort Dodge, Iowa, frt equald.	ton.	8.00	- —
Gypsum, Ohio, frt. equald	ton.	8.00	- —
Grand Rapids, Mich., frt. equald	ton.	8.00	- —
New Brighton, N. Y., frt. equald	ton.	8.00	- —
Plasterco, Ga., frt. equald	ton.	8.00	- —
Roton, Texas, frt. equald	ton.	8.00	- —
Southard, Okla., frt. equald.	ton.	8.00	- —
Sweetwater, Texas, frt. equald	ton.	8.00	- —
Terra alba, dom., paper bgs., c.l., Baltimore	ton.	14.40	- —
Harlem River, N. Y.	ton.	14.40	- —
English, paper bgs., ex dock.	ton.	48.00	- —
ex warehouse	ton.	53.00	-56.00

H

Hawthorn berries, bgs	lb.	.30	- .32
Heliotropine, cryst., cns	lb.	3.10	- 3.45
Helonias root, bls	lb.	1.65	- 1.75
Hellebore root dom., green, bls.	lb.	.60	- .65
imp., black, whole, bls	lb.	.25	- .30
ground, bxs	lb.	.30	- .35
powder, bxs	lb.	.32	- .37
white, whole, bls	lb.	.25	- .30
powder, bxs	lb.	.35	- .45
Hematine, extract, cryst., No. 1, bbls., l.c.l.	lb.	.47	- —
No. 2, bbls., l.c.l.	lb.	.43	- —
No. 3, bbls., l.c.l.	lb.	.41	- —
No. 4, bbls., l.c.l.	lb.	.39	- —
No. 5, bbls., l.c.l.	lb.	.37	- —
paste, No. 1, bbls., l.c.l.	lb.	.20½	- —
Henbane leaves, bls	lb.	.35	- .40
Henna leaves, bls	lb.	.23	- .25
powd., bbls., bgs	lb.	.22	- .29
Heptane, industrial, Bayonne, N. J., tanks	gal.	.18	- —
group 3, tanks	gal.	.1375	- .1403
Hesperidin methylchalcone, bots., works	lb.	50.00	- —
Hexachlorophene, dms	lb.	2.60	- —
Hexalin (see Cyclohexanol).			
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N. Y. C.	lb.	.232	- —
less than 1,000-lb. lots, same basis	lb.	.242	- —
fib. dms., 1,000-lb. lots or more, same basis	lb.	.239	- —
less than 1,000-lb. lots, same basis.	lb.	.249	- —
USP, dms., 500 lbs. or more, same basis.	lb.	.40½	- —
smaller lots, same basis	lb.	.41½	- —
Hexamine (see Hexamethylene tetramine).			
Hexane, industrial, Bayonne, N. J., tanks	gal.	.18	- —
Group 3, tanks	gal.	.145	- .148
Hexanol, normal, dms., c.l., works.	lb.	.34½	- —
l.c.l., works	lb.	.35	- —
tanks, works	lb.	.33	- —
Hexyl cinnamic aldehyde, dms.	lb.	2.25	- —
Salicylate, dms	lb.	1.75	- —
Hexyleneglycol, dms., c.l., dlvd.	lb.	.15¾	- —
l.c.l., dlvd	lb.	.16½	- —
tanks, dlvd	lb.	.14	- —
Hexylmethacrylate, normal, dms., less than truckload, works.	lb.	.71	- —
Hexylresorcinol, USP, dms., 50-lb. lots or more, frt. alld.	lb.	17.00	- —
works	lb.	15.00	-17.00
smaller lots, frt. alld	lb.	18.00	- —
works	lb.	16.00	-20.00
Histamine diphosphate, USP., bots.	kilo.	450.00	- —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works.	kilo.	80.00	-85.00
1-5 kilo lots works	kilo.	90.00	-95.00
Homatropine hydrobromide, USP, bots.	oz.	13.75	-14.00
Hydrochloride, bots	oz.	20.00	-22.00
Methylbromide, USP, bots	oz.	13.00	-14.50
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago	unit-ton.	7.00	- —
Hops, NF, bls	lb.	.30	- .35
Horehound herb, bls	lb.	.14	- .15
Hydrangea root, bls	lb.	.22	- .25
Hydrastine, bots	oz.	29.50	-31.00
Hydrochloride, NF, bots	oz.	29.50	-31.00
Sulphate, bots	oz.	35.00	-37.00
Hydrastinine 10-grain bots	bot.	1.95	- —
Hydrastis (see Goldenseal).			
Hydrazine, free base, ret. dms., Niagara Falls	lb.	4.50	- 5.25
Hydrate, 100%, ret. dms., Niagara Falls	lb.	3.00	- 3.50
85%, same basis	lb.	2.55	- 3.00
Hydrofuramide, dms., fib. ctns., works	lb.	.30	- .40
Hydrogen chloride anhyd., 50-lb. cyl., works	lb.	.55	- .60
Peroxide, USP, bbls., dlvd	lb.	.03¾	- .05
35%, cbys., same basis	lb.	.217	- .242
dms., c.l., same basis	lb.	.21	- —
l.c.l., same basis	lb.	.215	- .24
tanks	lb.	.203	- —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.			
Hydroquinone, photographic grade, bbls., dms	lb.	.98	- 1.00
tech., dms. frt. equald	lb.	.78	- .84
Hydroxycitronellal, cns.	lb.	6.30	- 7.50
Hyoscine salts (see Scopolamine).			
Hyoscyamine, bots	oz.	15.75	-16.00
Hydrobromide, bots	oz.	16.50	-18.00
Sulphate, bots	oz.	12.00	-15.00
Hypernic extract, cryst., No. 2, bbls., l.c.l.	lb.	.52	- —
liquid, No. 1, bbls., l.c.l.	lb.	.35	- —
No. 2, bbls., l.c.l.	lb.	.27	- —
Hyssop herb, bgs	lb.	.35	- .44
Leaves, bgs	lb.	.52	- .56

I

Iceland moss, bgs	lb.	.30	- .35
Ichthammol, NF, dms	lb.	.60	- .75
Indian red (see Red, Indian).			
Indigo, nat., chests	lb	2.14	2.16
synth., paste, 20%, bbls	lb	.28	.28½
Indol, CP, bots	lb	17.00	-21.00
Inositol dms., dlvd	lb	5.60	- —
tins, dlvd.	lb	5.70	- —
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs	lb.	1.84	2.04
resublimed, USP, bots., jars	lb.	2.55	2.78
Iodochlorohydroxyquin, USP, dms.	lb.	6.90	- —
Iodoform, NF, dms., kgs	lb.	4.70	4.85
Ionone alpha, cns	lb.	5.05	- 9.05
Beta, cns	lb.	5.40	-15.00
Methyl, dms., cns	lb.	5.00	- 8.25
Ipecac root, bgs.	lb.	6.50	- 6.75
powd., bbls., bxs.	lb.	6.75	- 7.00
Irish moss, bleached, prime, bls	lb.	.25	- .30
Iron acetate liquor, 28°, bbls., c.l., works	lb.	.09	- —
l.c.l., works	lb.	.09¾	- —
solut., USP, IX, cbys	lb.	.16	- —
djns.	lb	.17	- —
Cacodylate, NF, bots	lb.	13.00	-14.00
Chloride (ferric), anhydr., tech., dms., c.l., works	100 lbs.	6.25	- —
l.c.l., works	100 lbs.	7.50	- —
cryst., indust., bbls., c.l., works	100 lbs.	5.25	- 6.25
l.c.l., works	100 lbs.	5.75	- 6.75
USP, dms., works	lb.	.07½	- .09
Iron chloride, solut., 42° Be, basis 100%, cbys., c.l., works.	100 lbs.	7.25	- 8.25
l.c.l., works	100 lbs.	7.75	-10.75
tanks, works	100 lbs.	3.45	- —
Citrate, gran., dms	lb.	.77	- .80
Gluconate, NF (see Ferrous gluconate, NF).			
Glycerophosphate, NF, powd.	lb.	4.45	- 4.55
Hypophosphite, NF, dms	lb.	2.80	- —
Iodide bgs.	lb	3.66	- 3.73
Naphthenate liq., 6% Fe., dms., frt. alld	lb.	.23¾	- —
Oxalate, gran., dms	lb.	.85	- .87
Phosphate, soluble, NF, gran., pearls, cs	lb.	.64	- .65
Pyrophosphate, soluble, NF VII, gran., pearls, dms	lb.	.78	- .81
Reduced, NF, kgs	lb.	.90	- .95
Resinate, 7.4% Fe. dms. frt. alld	lb.	.26½	- —
Stearate, dms., c.l	lb.	.37	- —
ton lots	lb.	.38	- —
less ton lots	lb.	.39	- —
Sulphate, partially hydrated, bgs., c.l., works	ton.	30.00	- —
l.c.l., works	ton.	31.00	- —
ferrous, tech. (see Copperas).			
USP, cryst., bbls., dms	lb.	.09½	- .10
Iron by hydrogen (see Iron, Reduced).			
Iron-ammonium citrate, green, NF, gran., dms	lb.	.55	- .60
brown, USP, gran. dms	lb.	.55	- .59
Oxalate, fine gran., dms	lb.	.25½	- .28½
Iron-potassium oxalate, fine gran., dms	lb.	.30½	- .33½
Iron-sodium, oxalate, fine gran., dms	lb.	.25½	- .28½
Isoborneol, cns	lb.	1.25	- 1.70
Isobornyl acetate, cns	lb.	.70	- .97
Formate, dms.	lb.	.80	- —
Propionate, dms	lb.	1.15	- 1.50
Isobutyl acetate, cns	lb.	.75	- .97
Methylacrylate, dms., works	lb.	.60	- —
Isobutyraldehyde, dms., works	lb.	.50	- .53
Isoeugenol, cns	lb.	4.95	- 5.40
Isopentane, dms., works	lb.	.43	- 55
Isophorone, dms., c.l., works	lb.	.24¼	- —
l.c.l., works	lb.	.24½	- —
tanks, works	lb.	.22½	- —
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., frt. alld	lb.	.12¾	- —
l.c.l., same basis	lb.	.13½	- —
tanks, same basis	lb.	.11	- —
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene)			
Ether (see Ether, isopropyl).			
Isopropylamine (see Monoisopropylamine).			
Isopropylphenol, dms., c.l., works	lb.	.46	- —
l.c.l., works	lb.	.47	- —
tanks, works	lb.	.45	- —
Isoquinoline, dms., works	lb.	.65	- 1.25

J

Jaborandi leaves, bls	lb.	.15	- .20
Jalap root, NF, bls	lb.	.45	- .55
powd., bbls., bxs	lb.	.50	- .60
Juniper berries, bgs	lb.	.08	- .15
Tar, NF, dms	lb.	.42	- .65

K

Kamala, powd., cns	lb.	.75	- .80
Kava Kava root, bls	lb.	.28	- .30
Kaolin (see also Clay, China), NF, powd., fib. dms	lb.	.08	- .16¼
colloidal, fib. dms	lb.	.15	- .15¼

...in full supply in all grades!

Relaxed controls and current production trends have put all grades of glycerine on a "fully available" basis.

Even if you are a volume user, you can confidently build your formulations around glycerine—the time-tested ingredient—without concern for emergency substitutions.

In whatever function glycerine performs for you . . . solvent . . . softener . . . emollient . . . humectant . . . preservative . . . lubricant . . . or chemical component, you get an unmatched balance of properties, ready acceptance, and established freedom from toxicity.

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NOTHING TAKES THE PLACE OF GLYCERINE

Kerosene—Magnesium Carbonate

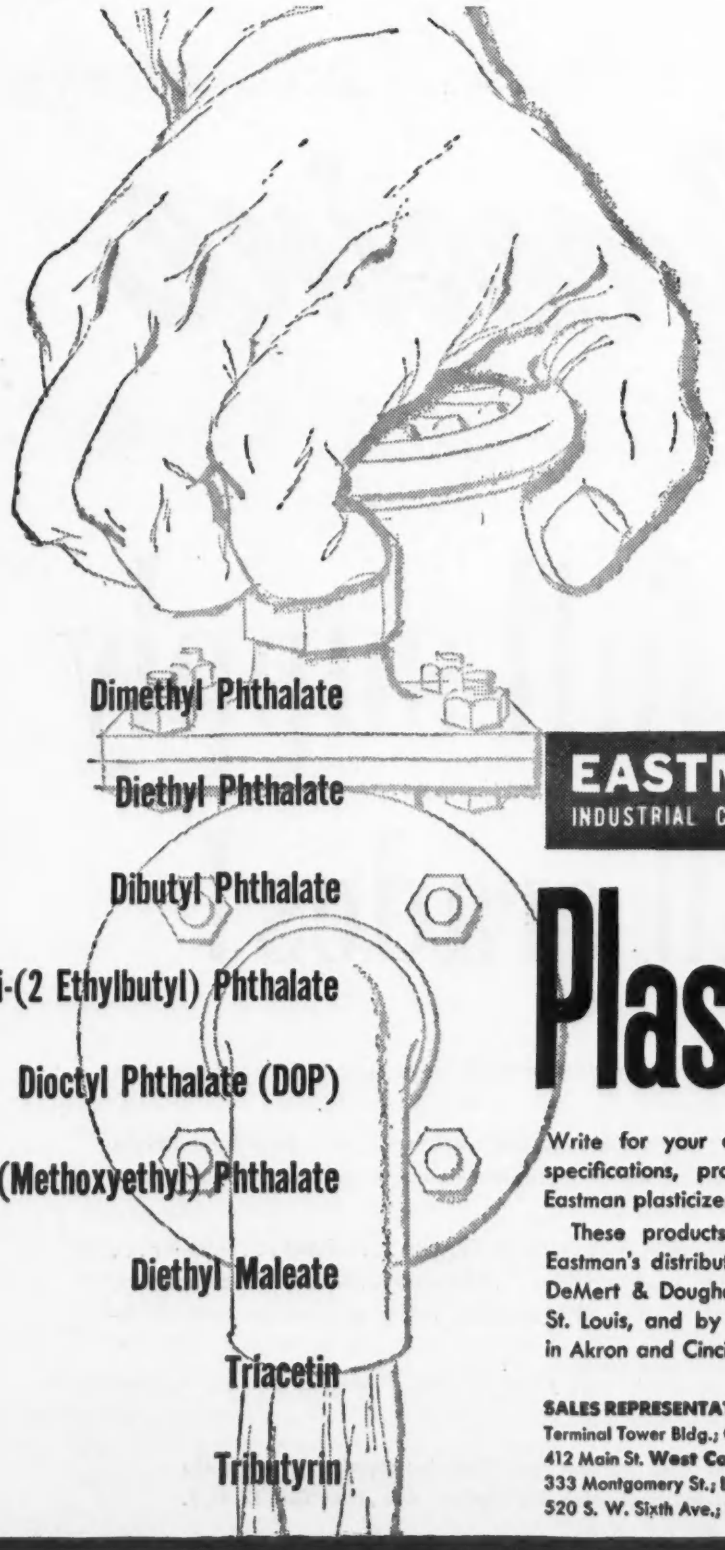
Kerosene, at refinery, Ark., 42-44 specific gravity w.w., tanks, gal. .0925- —
California, 40-43 s.g., w.w., tanks gal. .126 - .130
Gulf ports, 41-43 s.g., w.w., tanks gal. .0900- .0925
N. Y. Harbor, 43-44 s.g., w.w., tanks gal. .101 - .102
Okla.-Tex., 41-43 s.g., w.w., tanks gal. .090 - .095
Penn., Western, 45 s.g., w.w., tanks gal. .11 - —
Kola nuts, bgs lb. .08 - .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse ton.95.00 -100.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Lady's slipper root, bls lb. 1.40 - 1.50
Lanolin, cosmetic, dms., works lb. .35 - .40
USP, anhydrous, dms., works lb. .33 - .38
hydrous, dms., works lb. .33 - .38
Lard, cash, trcs., Chicago lb. .1100 Nom.
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bgs lb. .25 - .26
Leaves, Greek, bls lb. .10 - .10½
Portuguese, bls lb. .09½- .10
Turkish, bls lb. .11¼- .11½
Yugoslavian, bls lb. .09 - .09½
Lauryl chloride, dms., works, frt. equald lb. .72 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .85 - .60
ordinary, bls lb. .16 - .20
select, bls lb. .70 - .80
Lead acetate, white crystals, bbls. lb. .24 - —
gran., bbls lb. .25 - —
powd., bbls lb. .25 - —
NF, cryst., dms lb. .32 - .33
gran., powd., dms lb. .32 - .33
Arsenate, dealers, acid powder, 3-lb. bgs. or larger, c.l., frt. alld. on 9% lbs. or over lb. .30 - —
l.c.l., frt. alld lb. .31 - .32
1-lb. bgs., c.l. lb. .45 - —
l.c.l. lb. .46 - —
Blue, basic, sulphate, bbls., c.l., ship't point, frt. alld. lb. .1919- —
l.c.l., works lb. .2019- —
Carbonate (see Lead, white).
Chloride, dms lb. .39 - —
Iodide, NF V, jars lb. 3.82 - —
Linoleate, precip., 26.15%, dms lb. .35 - —
Metal, pigs, prime, N. Y lb. .19 - —
St. Louis lb. .1880- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .36½- —
10,000-20,000 lbs., same basis. lb. .37 - —
2,000-10,000 lbs., same basis. dlvd lb. .37½- —
200-2,000 lbs., same basis lb. .38 - —
Prices ex whse. Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid 16% Pb. dms., dlvd lb. .17¾- —
24% Pb. dms., dlvd lb. .24¼- —
37% Pb. dms., dlvd lb. .32½- —
Lead, nitrate, bbls., c.l. lb. .24½- —
l.c.l. lb. .24¾- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .32¾- —
60% PbO, dms., works lb. .31¾- —
Peroxide, powd., tech., bbls lb. .45 - .47
Phthalate, dibasic, dms., works. lb. .42½- —
Red, 95%, Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld. lb. .2155- —
l.c.l., same basis lb. .2255- —
97%, Pb_3O_4, bbls., c.l., same basis lb. .2180- —
l.c.l., same basis lb. .2280- —
98% Pb_3O_4, bbls., c.l., same basis lb. .2205- —
l.c.l., same basis lb. .2305- —
Resinate, precip., dms., dlvd lb. .28½- —
Salicylate, normal, dms., works. lb. .46 - —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1805- .1875
Stearate, dibasic, ton lots lb. .56 - —
precip., bbls., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —
Sulphate (see Lead, blue; Lead, white; basic sulphate).
tribasic, dms., works lb. .29¼- —
Tallate, liquid, 16% Pb, dms. lb. .15½- —
24% Pb, dms lb. .21 - —
White, basic, carbonate, bgs., c.l., ship't point, frt. alld. lb. .2010- —
l.c.l., same basis lb. .2110- —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .1715- .2271
l.c.l., same basis lb. .1815- .2371
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .1919- —
l.c.l., same basis lb. .2019- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works. lb. .16 - .18
l.c.l., same basis lb. .17 - .19
unbleached, c.l., same basis lb. .15 - .17
l.c.l., same basis lb. .16 - .18
Lemon peel, bls lb. .20 - .26
Leucine dextro-laevo, dms., works. lb.12.25 -15.00
Licorice extract, mass, cns lb. .20¾- .27
powd., bbls. lb. .31 - .35
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls. lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06¼
Lime, agricultural, bgs., works ton.14.50 - —
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton.18.00 - —
Annville, Pa ton.11.50 - —
Bellefonte, Pa ton.11.50 - —
Buffalo, N. Y ton.14.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hollow, Pa ton.11.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.12.50 - —
Hannibal, Mo ton.12.00 - —
Keystone, Ala ton.10.25 - —
Kimballton, Va ton.10.25 - —
Knoxville, Tenn ton.10.50 - —
Lewisburg, Ohio ton.10.00 - —
Limedale, Ark ton.10.00 - —
Marble Cliff, Ohio ton.10.00 - —
Martinsburg, W. Va ton.11.00 - —
McNeil, Tex ton. 9.50 - —
Mosher, Mo ton.10.25 - —
Redick, Florida ton.13.50 - —
Woodville, Ohio ton.11.50 - —
York, Pa ton.11.50 - —
Hydrated, paper bgs., Adams, Mass ton.15.50 - —
Annville, Pa ton.14.50 - —
Bellefonte, Pa ton.14.50 - —
Buffalo, N. Y ton.16.00 - —
Cedar Hollow, Pa ton.14.50 - —
Chicago, Ill ton.12.50 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Hannibal, Mo ton.12.50 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Knoxville, Tenn ton.13.00 - —
Lewisburg, Ohio ton.14.00 - —
Limedale, Ark ton.12.00 - —
Marble Cliff, Ohio ton.13.50 - —
Manistique, Mich ton. 9.50 - —
McNeil, Tex ton.13.00 - —
Mosher, Mo ton.12.50 - —
Petoskey, Mich ton.10.00 - —
Redick, Fla ton.16.00 - —
Springfield, Mo ton. 9.00 - —
Woodville, Ohio ton.14.50 - —
York, Pa ton.14.50 - —
Spray, paper bgs., Adams, Mass. ton.17.00 - —
Annville, Pa ton.17.00 - —
Bellefonte, Pa ton.15.50 - —
Carey, Ohio ton.11.00 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Kingston, Ala ton.13.50 - —
Lewisburg, Ohio ton.16.00 - —
Marble Cliff, Ohio ton.16.00 - —
McNeil, Tex ton.16.00 - —
Mosher, Mo ton.12.50 - —
Redick, Florida ton.16.00 - —
Rockland, Me ton.10.00 - —
Woodville, Ohio ton.16.50 - —
York, Pa ton.15.50 - —
Lime salts (see Calcium).
Lime ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose, dms lb. 6.25 - 6.45
ex lignaloe wood, dms lb. 6.75 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 6.15 - 6.45
96-98%, dms lb. 6.60 - 7.35
ex petitgrain, bots lb. 5.00 - 6.50
Lindane, 25% formulation, cns., works lb. 2.70 - —
dms., works lb. 2.60 - —
99%, tech., dms., works lb. 5.75 - —
Linden flowers with leaves, bls lb. .34 - .38
without leaves, bls lb. .45 - .50
Linseed meal expeller, 36%, bulk, Midwest mills ton.71.00 -72.00
extracted, 36%, same basis ton.70.00 -71.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld lb. .2065- —
l.c.l., same basis lb. .2165- —
Lithium benzoate, dms lb. 1.65 - 1.67
Bromide, NF, bbls., works, frt. equald lb. 1.90 - 2.35
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, powd., dms., works lb.14.00 -26.00
Hydroxide monohydrate, dms lb. .80 - 1.25
Salicylate, dms lb. 1.60 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .079 - —
l.c.l., dlvd lb. .0865- .0890
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .45 - .50
Leaves, NF lb. .85 - .90
Lobeline sulphate, bots., works oz.33.00 -34.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liquid, No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½- —
solid, No. 1 lb. .35 - —
Lovage root, imported, bls lb. .60 - .65
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.50 - 1.60
Lysine hydrochloride, dextro-laevo, bots. kilo.145.00 -149.00

M

Mace, Siauw, No. 1, bls lb. .90 - .91
West Indian, cs lb. .90 - .91
broken, cs lb. .72 - .73
Magnesia, calcined, tech., ctns., works lb. .32 - .34¼
synth., rubber grade, ctns., works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy, bbls. lb. .36 - .38
Magnesite, chemical grade, bgs., c.l., works, frt. equald ton.72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash ton.36.30 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09½- —
l.c.l., frt. alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
kgs., c.l., frt. equald lb. .12 - —
l.c.l., frt. alld lb. .13 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —



Dimethyl Phthalate
Diethyl Phthalate
Dibutyl Phthalate
Di-(2 Ethylbutyl) Phthalate
Dioctyl Phthalate (DOP)
Di-(Methoxyethyl) Phthalate
Diethyl Maleate
Triacetin
Tributyrin

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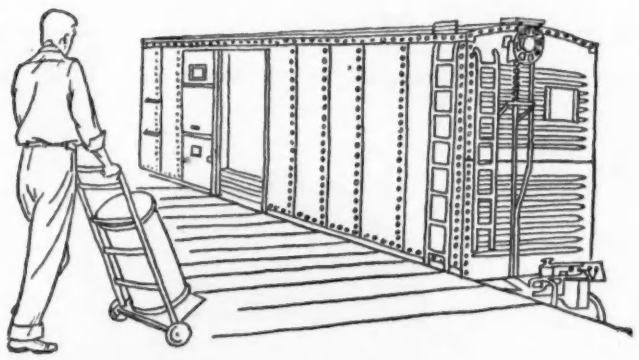

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DOW
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Magnesium Carbonate, USP—Methylpentanediol

Magnesium carbonate, USP bbls., c.l., frt. equald ..... lb. .11¾- —
l.c.l., frt. alld ..... lb. .12¾ - —
kgs., c.l., frt. equald .... lb. .13 - —
l.c.l., frt. alld ..... lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.

Chloride, anhyd., lump, 95-98%, dms., c.l., works, frt. equald lb. .12¾- —
l.c.l., same basis lb. .14 - .15
powd., bbls., works ..... ton.50.00 - —
hydrous, flake, dms., l.c.l., works ton.49.00 -51.00
Gluconate, dms., cns ..... lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms ..... lb. 1.60 - —
Laurate, bbls. ..... lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .24½- —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused bbls ..... lb. .31 - —
Oxide (see Magnesia calcined).
Peroxide, 15%, dms., works ... lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works ... lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., c.s. ..... lb. .38 - —
ton lots ..... lb. .39 - —
less ton lots ..... lb. .40 - —

Magnesium trisilicate, USP, dms., 5,000-lb. lots lb. .43 - .45
1,000-lb. lots ..... lb. .45 - .47
100-lb. lots ..... lb. .48 - .50

Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .37 - —
l.c.l., dlvd. E. of Rockies lb. .38 - —

Prices on maleic anhydride W. of Rockies, 1½c. higher.

Malva flowers, black, bls ..... lb. .90 - 1.10
blue, bls ..... lb. 1.65 - 2.00
Leaves, bls ..... lb. .35 - .38
Mandrake root, bls ..... lb. .43 - .45
Manganese acetate, bbls ..... lb. .32½- —
Arsenate, bgs ..... lb. .16 - —
Borate, tech., bbls ..... lb. .24 - .28½
Carbonate bbls., works ..... lb. .21 - —
Chloride anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 64-87%, bgs., 100-ton lots, works ton.78.00 - —
smaller lots, works ton.84.00 -94.00
Gluconate, dms., cns ..... lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls., works ..... lb. .34 - —
Hypophosphite, NF, dms ..... lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd. East ..... lb. .30 - .32
Naphthenate, liquid 6% Mn., dms., frt. alld lb. .25 - —
Oleate, precip., bbls ..... lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21¾- —
precip., dms ..... lb. .24½- —

Manganese stearate, ctns., c.l. ... lb. .38 - —
ton lots ..... lb. .39 - —
less ton lots ..... lb. .40 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton.75.50 - —
l.c.l., dlvd., S. E ... ton.82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E. ton.87.50 - —
l.c.l., dlvd. S. E. ... ton.94.50 - —
Tallate, 6%, dms ..... lb. .21¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton.80.00 Nom.
So. American, 30% tannin, c.l., ex dock ton.50.00 -52.00
Manna, flake, large, cs ..... lb. 1.25 - 1.30
small, cs ..... lb. .80 - .95
Mannitol, com'l, dms., works ... lb. .40 - .43
reagent, 50-lb. dms., works ... lb. .85 - —
Marjoram, Argentine, bls ..... lb. No stocks.
Bohemian, bls ..... lb. .24 - .25
Chilean, bls ..... lb. .23 - .24
French, bls ..... lb. .24 - .25
Peruvian, bls ..... lb. .22 Nom.
Matico leaves, bls ..... lb. .25 - .35
Melamine, bgs., ton lots, works .. lb. .33 - —
500 to 2,000-lb. lots, works .. lb. .33½- —
less 500 lbs., works ..... lb. .38½- —
Menadione, USP, bots ..... gram. .06 - .06½
Menthol, natural, USP, Brazilian, cs lb. 6.50 - —
Chinese, cs ..... lb. 7.50 - —
synthetic, USP, racemic, cns ... lb. 6.80 - —
Menthyl salicylate, tins ..... lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .42 - —
less ton lots, same basis ... lb. .44 - —

Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb. 5.29 - —
Iodide, red, NF, fib. dms ..... lb. 6.22 - —
yellow, NF, fib. dms ..... lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms ..... lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd .... lb. .13¼- .14¼
l.c.l., dlvd ..... lb. .14 - .15
tanks, dlvd ..... lb. .11½- .12½
Metaldehyde, dms., works ..... lb. .95 - 1.25
Metachloranilin, dms., works ... lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works ..... lb. .74½- —
Metanitroanilin, dms., frt. alld .. lb. 1.05 - —
Metanitroparatoluidin, bbls ..... lb. 1.54 - —
Metaphenylenediamine, kgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld lb. .78 - —
l.c.l., same basis ..... lb. .80 - —
tankcars, same basis ..... lb. .76 - —
Metatolylenediamine, fib. dms., frt. alld lb. .94 - 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt alld ..... gal. .79 - —
tanks, frt alld ..... gal. .70 - —

Prices on natural methanol W. of Miss., 3c. higher.

synthetic Zone 1, dms., c.l., frt. alld gal. .44 - .45½
l.c.l., frt. alld ..... gal. .49 - .50½
tanks, frt. alld ..... gal. .32 - .33½
Zone 2, dms., c.l., frt. alld gal. .49½- —
l.c.l., ex whse ..... gal. .51 - .55
tanks, frt. alld ..... gal. .35½- —

Synthetic methanol zones are:—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt alld. 50-lb or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib. dms., same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .19½- —
l.c.l., same basis ..... lb. .20 - —
hydrogenated non-ret. dms., c.l., dlvd. zone 1 lb. .20 - —
l.c.l., same basis ..... lb. .20½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
l.c.l., same basis ..... gal. .68 - —
tanks, same basis ..... gal. .45 - —

Natural methyl acetone prices W. of Miss. 3½c. per gal. higher

synthetic, dms., c.l., works, frt. alld. E gal. .66½- —
l.c.l., works, frt. alld. E. gal. .72¼- —
tanks, works, frt. alld. E gal. .54½- —

Methyl acetone synth East territory in all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload works lb. .50½- —
tanks, works ..... lb. .49 - —
Alcohol (see Methanol).
Anthranilate, cns. ..... lb. 2.35 - 2.40
extra, cns ..... lb. 2.65 - 4.40
Benzoate, cns., dms ..... lb. .53 - .58
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit works ... lb. .14 - —
single-unit, works ..... lb. .11½- —
refrigerator mfrs., cyls., dlvd lb. .39 - .48
other consumers or service men, cyls. dlvd lb. .486 - —
Cinnamate, cns ..... lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works ..... lb. .35 - —
tanks, works ..... lb. .33 - —
Formate refd., dms ..... lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works ..... lb. .07 - —
Iodide, bots., works ..... lb. 4.00 - —
chys., works ..... lb. 3.50 - —
Lactate, dms., l.c.l., works .... lb. .35 - —
Methacrylate, dms., c.l., and truckload, works lb. .36½- —
less than truckload, works lb. .37 - —
tanks, works ..... lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. ..... lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms. lb. 5.40 - —
Salicylate, USP, dms., 500 lbs. lb. .50 - —
cns., 50 lbs. ..... lb. .55 - —
Testosterone, USP, 100 gms. gm. 1.75 - —
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works ..... lb. .12 - —
tanks, works ..... lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .16¾- —
l.c.l., dlvd. ..... lb. .17¾- —
tanks, dlvd. ..... lb. .15 - —
Ketone, dms., works ..... lb. 1.05 - —
Methylcellulose, special, vls., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .78 - —
2,000 lbs., and more, same basis lb. .80 - —
smaller lots, frt. alld. on 100 lbs. .85 - .97
standard vis., (15-400 cps.), 50-lb. bgs., c.l., frt. alld lb. .66 - —
2,000 lbs. and more, same basis lb. .68 - —
smaller lots, frt. alld. on 100 lbs lb. .72 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - 3.60
smaller lots, kgs., same basis lb. 3.40 - 3.60
Chloride, industrial, dms., c.l., dlvd. E lb. .13½- —
Methylethylketone, dms., c.l., dlvd. lb. .12¾- .13¾
l.c.l., dlvd. ..... lb. .13½- .14½
tanks, dlvd. ..... lb. .11 - .12
Methylethylpyridin, dms., c.l., works. lb. .47½- —
l.c.l. works ..... lb. .48 - —
tanks, works ..... lb. .46 - —
Methylheptin, carbonate, bots ... lb.35.00 -45.00
Methylionone, A, cns ..... lb. 6.55 - 8.80
D, cns. ..... lb. 7.50 - 9.55
prime, cns. ..... lb. 4.55 - 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd ..... lb. .14¾- —
l.c.l., dlvd. ..... lb. .15½- —
tanks, dlvd. ..... lb. .13 - —
Methylnaphthyl ketone, cans .... lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).

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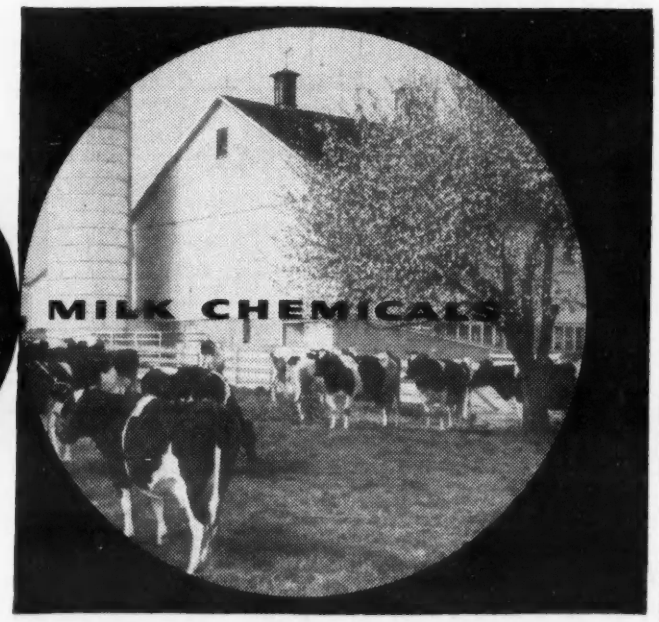

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Methylphenylpyrazolone, 250-lb. dms., dlvd. lb. 1.60 - 1.70
less than 250 lbs., dms., dlvd lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher.; W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb. .15½- .18¾
spray, bbls., c.l. lb. .17½- .19¾
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l. lb. .38 - .46¾
Sugar, crude, bgs., c.l., works lb. .18 - —
edible, bgs., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
Edible milk sugar in fib. dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾- —
200-1,800-lb. lots, works lb. .30¼- —
USP milk sugar in bgs., 1c lower.
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, feed grade, tanks, New Orleans gal. .24 - .24½
New York lb. .26 - .26½
Molybdenum metal, 90% Mo, powd., kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E. lb. .10½- .11½
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms., c.l., frt. alld. E lb. .29¾- —
l.c.l., same basis lb. .30¾- —
tanks, same basis lb. .28 - —
Monoethylalphanaphthylamine, dms., works lb. .83 - —
Monoethylamine dms., c.l., frt. alld. E., basis 100% lb. .32 - —
l.c.l., frt. alld. E., basis 100% lb. .33 - —
tanks, frt. alld., E., basis 100% lb. .30¼- —
Monoethylanilin dms., c.l., frt. alld. lb. .51 - .57
l.c.l., frt. alld lb. .52 - .58
tanks, frt. alld lb. .50 - .56
Monoethylorthotoluidin, bbls lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld. E lb. .29½- —
l.c.l., same basis lb. .29¼- .30½
tanks, same basis lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monosodium nuoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
Morphine, cns oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns oz. 9.90 - 9.95
Hydrochloride, NF, cns oz. 9.90 - 9.93
Sulphate USP, cns oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .60¾- —
l.c.l., dlvd. E lb. .61¾- —
tanks, dlvd. E lb. .59 - —
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic, ambrette, 100 lbs., fib. dms. lb. 5.60 - —
25 lbs., cns lb. 5.70 - —
5 lbs., cns lb. 5.85 - —
ketone, 100 lbs., fib. dms. lb. 5.35 - —
25 lbs., cns lb. 5.45 - —
5 lbs., cns lb. 5.60 - —
xylol, 100 lbs., fib. dms lb. 1.65 - 1.75
25 lbs., cns lb. 1.75 - 1.78
5 lbs., cns lb. 1.85 - 1.90
Musk root, bls lb. 1.60 - 1.65
Mustard seed, Calif. brown bgs., f.o.b. source lb. .12 - —
Danish, yellow, bgs lb. .11 - .11½
Dutch, yellow, bgs lb. .11 - .11½
English, yellow, bgs lb. .13½- .15
German, yellow, bgs lb. .17 - .17½
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .07 - —
oriental, bgs., source, Sept.-Oct. shipment lb. .07 - —
yellow, bgs., source, Sept.-Oct. shipment lb. .10 - —
Myrobalans, J1, assorted, bgs., ex dock ton. 43.00 -46.00
crushed, bgs., ex dock ton. 65.00 Nom.
J2, bgs., ex dock ton. No prices.

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. alld. lb. .0625- .0700
78°, dms., c.l., same basis lb. .0765- .0840
l.c.l., same basis lb. .0790- .0865
tanks, same basis lb. .0675- .0750
refined, industrial, bbls., c.l., frt. equald. lb. .11¾- —
bgs., c.l., same basis lb. .11¼- —
tanks, same basis lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½- —
cs., 50 lbs., c.l., same basis lb. .14¾- —
1-lb. pkgs., c.l., same basis lb. .17 - —
imported, crude, 78° large lots, lb. .06½- .07½
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots gm. .90 - —
1-kilo lots gm. 1.50 - —
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel, acetate, bbls., dlvd lb. .60 - .60½
Carbonate, bbls., dlvd lb. .66¼- —
Chloride, bbls., dlvd lb. .34½- —
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .58½- .59½
Metal, electro cathodes, cs., works lb. .56½- —
Nitrate, bbls., works lb. .33½- —
Oxide, black, bbls lb. .63¼- —
Sulphate, bgs., c.l., dlvd lb. .26¼- —
l.c.l., dlvd lb. .26¾- —
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted kilo. 11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs. dm. 49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6 tin. 10.85 - —
Nikethamide, cbys lb. 7.50 - 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .10½- .11½
l.c.l., frt. alld lb. .11½- .12½
tanks, frt. alld lb. .09½- .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
l.c.l., same basis lb. .34 - .36
18-25 cps., bbls., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - .38
Nitrocellulose, ester-soluble 18-25 cps., 250-400, 600-1,000 secs., bbls., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis. lb. .45 - —
l.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
Nitroethane, dms., dlvd. E. of Rockies. lb. .25 - —
Nitrogen solution, tanks, works, N. ton. 120 00 - —
Nitrogenous process, tankage, bulk, works, ammo., ship't unit-ton. 4.90 Nom.
Sewage sludge, bulk, works unit-ton. 3.25 + 40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .33¼- —
l.c.l., works lb. .33¾- —
tanks, works lb. .32¼- —
Nutgalls, Aleppo, bgs lb. .38 - —
Chinese, bgs lb. .32 - —
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, cs lb. .35 - .36
splits, bgs. lb. .33 - .34
West Indian, bgs lb. .30 - .31
Nux vomica, bls lb. .10 - .12
powdered, bbls., bxs lb. .13 - .14

O

Octane, 100° 140°C., industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
10°C., b.r., Bayonne, N. J., tanks. gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd lb. 419 - —
l.c.l., dlvd. lb. 439 - —
tanks, dlvd. lb. .394 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns lb. 3.35 - 4.25
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots lb. 2.95 - 3.85
NF, bots lb. 2.85 - 3.75
sweet, USP, dms., cns lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms lb. 1.85 - 2.00
Angelina root, bots lb. 110.00-125.00
seed, bots lb. 90.00 -110.00
Anilin (see A).
Anise, USP, Chinese, dms lb. 1.70 - 2.20
Apricot kernel, USP, dms lb. .48 - .70
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, crude, tanks lb. No stocks
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.55 - 1.90
55-60%, cns lb. 1.65 - 2.10
West Indian, 50-55%, cns., dms lb. 1.55 - 2.10
Bergamot, artif., cns lb. 2.90 - 5.25
natural, NF, Italian, cns lb. 15.75 -16.50

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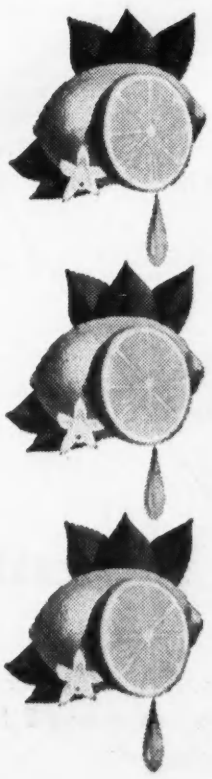
Oil, Birchtar—Oil, Tansy

Oil, birchtar, crude, cns.	lb.	1.20	- —
rectified, NF, cns.	lb.	2.35	- —
Bois de rose, Brazil, dms.	lb.	4.20	- 4.70
Mexican (see Oil, lignaloe wood).			
Bone, dms., works	lb.	.65	- .70
Cajeput, redist., USP, cns.	lb.	2.30	- 2.70
tech., dms.	lb.	1.95	- 2.60
Calamus, cns.	lb.	20.00	-38.00
Camphor sassafrassy, dms	lb	.26	.42
white, dms	lb.	.21	.45
Cananga, native, cns.	lb.	9.00	-10.50
rectified, cns.	lb.	11.50	-12.50
Capsicum (see Capsicum oleoresin).			
Caraway, NF, cns.	lb.	4.00	- 4.75
Cardamom, NF, bots.	lb.	45.00	-70.00
Cassia, USP, cns., dms.	lb.	4.95	- 6.25
Castor, blown, dms., c.l.	lb.	.3200-	—
l.c.l.	lb.	.3250-	—
dehydrated, bodied, dms., c.l.,	lb.	.3510-	—
l.c.l.	lb.	.3560-	—
tanks	lb.	.3410-	—
unbodied, dms., c.l.	lb.	.3360-	—
l.c.l.	lb.	.3410-	—
tanks	lb.	.3260-	—
hydrogenated, bgs.	lb.	.3725-	.3775
No. 1, Brazilian, tanks	lb.	.27 -	.27½
USP, dms., c.l.	lb.	.3000-	—
l.c.l.	lb.	.3050-	—
tanks	lb.	.2900-	—
refined and deodorized, dms., c.l.	lb.	.3150-	—
l.c.l.	lb.	.3200-	—
tanks	lb.	.3050-	—
No. 3, tech., dms., c.l.	lb.	.2975-	—
l.c.l.	lb.	.3025-	—
tanks	lb.	.2875-	—
sulphonated, 50% (48% fat), dms., l.c.l.	lb.	.17 -	.17½
75% (60-62% fat), dms., l.c.l.	lb.	.24 -	.24½
Oil, cedarleaf, cns., dms.	lb.	2.25	- 3.50
Cedarwood, cns., dms.	lb.	.50 -	.65
Celeryseed, bots.	lb.	16.50	-21.00
Chamomile, blue, Hungarian, bots.	lb.	275.00	-280.00
Chaulmoogra, NF, cns., dms.	lb.	.55 -	.70
Chinawood (see Oil, tung).			
Cinnamon bark, USP, bots.	lb.	25.00	-60.00
leaf, Ceylon, bots.	lb.	2.25	- 3.25
Citronella, Ceylon, cns., dms.	lb.	.66	- 1.10
Java, true, cns.	lb.	1.10	- 1.90
Java type, cns.	lb.	.60	- 1.10
Clove, USP, from buds, cns., dms.	lb.	5.00	- 5.75
Coconut, crude, tanks, Atlantic ports.	lb.	.08¾-	—
Pac. coast	lb.	.07¾-	—
refined, Cochin type, tax incl., ret. dms., l.c.l.	lb.	.15¾-	—
deodorized, tax incl., non-ret. dms., l.c.l.	lb.	.17¾-	—
Cod, Newfoundland, dms.	lb.	.11 -	.11½
Codliver, USP, dms.	lb.	1.55	- 1.65
Copaiba, cns.	lb.	2.40	- 4.25
Coriander, USP, bots.	lb.	23.50	-26.50
Corn, crude, tanks, works	lb.	.10¾-	—
foots, acid 95%, tanks, N. Y.	lb.	.02¾	Nom.
raw, 50%, tanks, same basis.	lb.	.0075	Nom.
refined, dms.	lb.	.15¼-	.15¾
tanks	lb.	.13¾-	—
Costus, bots.	oz.	16.50	-25.00
Cottonseed, crude, tanks, South-East.	lb.	.10¼	Nom.
Valley	lb.	.10¼	Nom.
Texas	lb.	.10	Nom.
Oil, cottonseed, foots, acid, 95%, tanks, N. Y.	lb.	.02	Nom.
raw, 50%, tanks, same basis.	lb.	.0075	Nom.
salad, dms.	lb.	.15½-	.16
tanks	lb.	.14 -	—
Creosote (see Creosote, coaltar).			
Croton, cns.	lb.	4.75	- 5.50
Crude (see Petroleum, crude).			
Cubeb, cns.	lb.	5.50	- 6.75
Cumin, bots.	lb.	5.10	- 6.00
Cypress, bots.	lb.	No stocks.	
Degras (see D).			
Dillweed, domestic, bots., dms	lb.	3.75	- 4.00
Dillweed, domestic, bots., dms	lb.	3.75	- 4.50
Dip (see D).			
Erigeron, cns.	lb.	6.50	- 7.50
Eucalyptus, NF, rectified, 80-85%, dms.	lb.	1.10	- 1.50
70-75%, dms.	lb.	1.00	- 1.40
Fennel, USP, cns.	lb.	2.75	- 3.00
Fir, Canada, cns.	lb.	2.85	- 3.40
Fish, refined, alkali, dms.	lb.	.1410-	—
kettle-bodied, dms.	lb.	.1610-	—
light-pressed, dms.	lb.	.1260-	—
tanks	lb.	.1100-	—
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units.		.12	- .13½
10,000 to 20,000 A units per gm., dms 1,000,000 units.		.12	- .12½
25,000 to 35,000 A units per gm., dms 1,000,000 units.		.12	- .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units.		.12	- .12
prime, nat. or conc., 100,000 A units per gm., dms. 1,000,000 units.		.12	- .13
200,000 A units per gm., dms. 1,000,000 units.		.15	- .17
300,000 A units per gm., dms. 1,000,000 units.		.15	- .17
Oil, fishliver, prime nat., or conc., 400,000 A units per gm., dms. 1,000,000 units.		.15	- .17
500,000 A units per gm., dms. 1,000,000 units.		.15	- .17

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).			
Garlic, pure, bots.	oz.	6.50	- 8.00
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns.	lb.	16.50	-26.00
Bourbon, cns.	lb.	17.00	-26.00
Turkish (see Oil, palmarosa).			
Ginger, dist., bots.	lb.	16.50	-19.00
Grapefruit, dms.	lb.	2.25	- 2.60
Grease, No. 1, dms.	lb.	.10	- .11
extra, winter, strained, dms.	lb.	.12½-	.13¼
prime, burning, dms.	lb.	.13 -	.14
Guaiacwood, cns	lb.	1.75	- 2.10
Hemlock, cns	lb.	2.20	- 3.15
Juniper berry, NF, VIII, bots.	lb.	2.45	- 4.00
twice rectified, bots.	lb.	3.60	- 7.00
Tar, NF (see Juniper tar).			
Wood, tech., cns.	lb.	.65	- 1.00
Lard (see Oil, grease).			
Laurel, dms., cns.	lb.	9.75	12.50
Lavandin, dms., cns.	lb.	2.80	- 4.50
Lavender, flower, USP, French, 30-32% ester, cns.	lb.	4.25	- 5.45
38-40% ester, cns.	lb.	4.75	- 6.75
40-42% ester, cns.	lb.	5.75	- 8.50
Spike, Spanish, cns.	lb.	1.55	- 2.95
Lemon, USP, Calif., cns., dms.	lb.	5.85	- 6.00
Messina, cns.	lb.	5.85	- 6.20
Lemongrass, cns., dms.	lb.	1.60	- 2.25
Lignaloe wood, Mexican, cns.	lb.	4.35	- 4.80
Lime, distilled, Mexican, cns.	lb.	7.35	- 8.25
West Indian, cns.	lb.	7.50	- 8.50
expressed West Indian, cns.	lb.	7.50	- 9.50
terpeneless, bots.	lb.	45.00	-65.00
Linseed, raw, dms., c.l., Zone 3	lb.	.1740-	—
l.c.l., Zone 3	lb.	.1790-	.1840
tankcars	lb.	.1640-	—
tankwagon	lb.	.1670-	—
Boiled, linseed oil, .006c. per lb. higher.			
Mace, dist., cns., dms	lb.	3.75	- 4.50
Mandarin, Floridian, dms.	lb.	4.00	- 5.00
Italian, cns.	lb.	7.00	- 8.75
Menhaden, crude, tanks, Balto.	lb.	.07	- —
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard seed, expressed, dms.	lb.	.21	Nom.
synthetic, cns., dms.	lb.	1.70	- 1.85
Neatsfoot, 15°, dms.	lb.	.33	- .34
20°, dms.	lb.	.32	- .33
30°, dms.	lb.	.30	- .31
Neroli, NF, French, bots.	lb.	175.00	-195.00
Haitian, bots.	lb.	90.00	- —
Niaouli, cns.	lb.	2.20	- 3.00
Nutmeg, USP, dist., East Indian, cns., dms.	lb.	3.90	- 4.25
West Indian, cns., dms.	lb.	3.70	- 4.00
Ocotea cymbarum, dms.	lb.	.72	- 1.10
Oiticica, liquid, dms.	lb.	.25½-	.26
tankcars	lb.	.24 -	.24½
Oleo, extra, dms.	lb.	.16 -	.16½
Olibanum, bots	lb.	5.50	- 7.65
extra fine, bots.	lb.	8.00	- —
Olive, commercial, dms.	lb.	1.90	- 2.00
edible, dms., duty paid	lb.	2.10	- 2.25
foots, dms.	lb.	.16½-	.16¾
Orange, sweet, dist., cns.	lb.	.85	- 1.10
expressed, USP, Brazilian, cns., dms	lb.	No stocks.	
Calif., cns	lb.	1.75	- 2.75
Florida, cns., dms.	lb.	1.75	- 2.25
Messina cns.	lb.	4.00	- 5.85
West Indian, cns.	lb.	2.75	- 3.35
sesquiterpeneless, bots.	lb.	175.00	-180.00
Origanum, Spanish, cns.	lb.	2.15	- 2.75
Palm, clarif., dms.	lb.	.11¾-	—
tankcars	lb.	.09¾-	—
Palmarosa, cns.	lb.	7.00	- 8.25
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refinery	gal.	.14	- —
Patchouli, dms.	lb.	7.50	-14.75
Peach kernel, USP (see Oil, apricot kernel)			
Peanut, crude, tanks, Southeast.	lb.	.12½-	—
refined, dms.	lb.	.16¾-	.17¼
tanks	lb.	.15¼-	—
Pennyroyal, USP, imported, cns.,	lb.	3.00	- 3.50
Peppermint, natural, dms.	lb.	7.25	- 7.85
redist., USP, dms.	lb.	7.75	- 8.30
Persic, USP (see Oil, apricot kernel).			
Perilla, crude, dms.	lb.	No stocks.	
Petitgrain, Paraguay, cns.	lb.	3.10	- 3.50
Pimento berry, NF, dms.	lb.	4.75	- 5.75
leaf, cns	lb.	2.55	- 2.85
Pine, dest., dist., dms., extra, c.l., works	gal.	.72½-	—
l.c.l.	gal.	.76½-	—
whse.	gal.	.95½-	—
steam dist., dms., ex whse., N.Y.C.	lb.	.127 -	.128
Pineneedle, Siberian (see Oil, abies Siberica).			
Putty, petroleum, dms., c.l., dlvd.	lb.	.11	- —
l.c.l., same basis	lb.	.12	- —
tanks, same basis	lb.	.10	- —
Rapeseed, tankcars	lb.	.21	Nom.
Red (see Acid, oleic).			
Rice, bran, clarif., dms., l.c.l.	lb.	.17 -	.17½
crude, tanks, dlvd. E	lb.	.11½-	—
refd., salad, tanks, dlvd. E.	lb.	.15½-	—
Rose, natural, Bulgarian, bots	oz.	42.25	-62.25
Rosemary, Spanisn, tech., cns., dms	lb.	.60	- .90
USP, cns., dms.	lb.	.85	- 1.00
Rue, bots.	lb.	2.25	- 2.50
Safflower, dms., c.l., works	lb.	.16	- —
tanks, works	lb.	.15	- —
Sage, clary, bots.	lb.	22.00	-23.00
Dalmatian, cns.	lb.	10.25	-10.75
Spanish, cns	lb.	.90	- 2.25
Sandalwood, NF, cns.	lb.	9.75	-11.75
Sardine, crude, tanks, Pac. coast	lb.	No stocks.	
Sassafras, artificial, cns., dms	lb.	.65	- .95
natural Brazilian (See Oil, ocotea cymbarum).			
domestic, USP, cns., dms.	lb.	2.00	- 2.20
Savin, cns.	lb.	2.75	- 3.00
Savory, cns.	lb.	No stocks.	
Sesame, refd., dms., l.c.l.	lb.	.37	- .38
Shingle stain, tar distillate, dms., c.l., works	lb.	.31	- —
l.c.l., works	lb.	.33	- —
tanks, works	lb.	.21	- —
Snakeroot, Canada, cns.	lb.	31.00	-40.00
Soybean, crude, tanks, mills	lb.	.09	- —
foots, acid, 95%, tanks, N.Y.	lb.	.03	- Nom.
raw, 50%, tanks, same basis.	lb.	.0075	Nom.
refined, alkali, dms., c.l.	lb.	.1275-	—
l.c.l.	lb.	.1350-	.1400
tanks	lb.	.1175-	—
clarified, dms., c.l.	lb.	.1200-	—
l.c.l.	lb.	.1250-	.1300
tanks	lb.	.1100-	—
salad, dms.	lb.	.13¼-	.13¾
tanks	lb.	.11⅞-	—
Spearmint, USP, dms.	lb.	7.50	- 8.15
Sperm, bleached, winter, 45°, dms.	lb.	.1630-	.1660
tankcars	lb.	.1520-	—
natural, winter, 45°, dms.	lb.	.1510-	.1560
tankcars	lb.	.1400-	—
Spruce, cns., dms.	lb.	2.20	- 3.15
Sweet birch, USP, Northern, cns.	lb.	4.95	- 8.00
Southern, cns.	lb.	2.00	- 3.50
Tall, crude, tanks, works	lb.	.03	- .03¼
refined, dms., c.l., works	lb.	.06½-	.07¼
l.c.l. works	lb.	.06¾-	.07¾
tanks, works	lb.	.05¼-	.06¼
Tallow, acidless, dms.	lb.	.10	- .10½
Tansy, dms.	lb.	8.75	- 9.00



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l.c.l., works lb. .0545- —
whse. lb. .0635- —
tanks, works lb. .041 - —
rectified, N.F., l.c.l., dms. ex. tra, works, South gal. .67 - —
whse, N.Y.C. gal. .77 - —
Tar acid (see T).
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms. lb. 1.90 - 3.75
white, cns lb 2.25 - 4.00
Tung, dom., tanks, mills lb. .39½ Nom.
imported, dms., c.l. lb. .41 - —
l.c.l. lb. .41½ - .41¾
tanks lb. .39½ - —
Turkey red (see Oil, castor, sulphonated).
Turpentine, NF, cns., dms. lb. .32 - .65
Vetiver, Bourbon, cns lb. 23.50 -30.00
Haitian, cns lb. 20.50 -26.00
Java, cns lb. 35.00 - —
Wheat germ, 5-gal. dms gal. 9.00 -13.00
White mineral, tech., 50-65% vis., dms., c.l. gal. .51½- .54½
l.c.l. gal. .56½- .57½
65-75 vis., dms gal. .52½- .55½
l.c.l. gal. .57½- .58½
NF, 80-90 vis., dms., c.l. gal. .53½- .56½
l.c.l. gal. .58½- .59½
125-135 vis., dms., c.l. gal. .59½- .62½
l.c.l. gal. .64½- .65½
145-155 vis., dms., c.l. gal. .66 - .68½
l.c.l. gal. .71 - .71½
175-185 vis., dms., c.l. gal. .69½- .73
l.c.l. gal. .74½- .76
USP, 200-210 vis., dms., c.l. gal. .72½- .75
l.c.l. gal. .77½- .78
345-355 vis., dms., c.l. gal. .77 - .80
l.c.l. gal. .83 - .85
Wintergreen, USP, nat., Northern, cns lb. 5.75 -14.50
Southern, cns lb. 3.25 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns lb. 7.65 - 8.60
Wormwood, cns lb. 6.00 - 7.50
Ylang-ylang, Bourbon, bots lb. 18.00 -30.00
extra, bots lb. 39.00 -40.00
Madagascar, bots lb. No stocks.
Oleostearin, bbls. lb. .11½- .12
Olivine aggregate, c.l., mines ton. 7.00 - 9.50
crushed 8 mesh, bulk, c.l., works ton. 10.00 - —
paper, bgs, c.l., works ton. 12.00 - —
Opium, USP, cns lb. 19.20 -19.45
gran., USP, cns lb. 21.65 -21.90
powd., USP, cns lb. 21.65 -21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies lb. 1.65 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.
Dinitroanilin toner lb. 1.30 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld lb. .2490- —
Molybdated, bbls lb. .45 - —
Orthonitroanilin toner, kegs lb. 1.15 - —
Persian, bbls lb. .65 - —
Orange flowers, bls lb. .12 - .15
Peel, bitter, Haitian, bls lb. .11 - .14
sweet, bls lb. .14 - .16
Oregano, Italian, bgs lb. .14 - .18½
Mexican, bgs lb. .18½- .19
Portuguese, bgs., new crop lb. .16 - .16½
Orris root, Florentine, bls lb. .20 - .22
powdered, bbls., bxs lb. .25 - .26
Verona, bls lb. .14 - .15
powdered, bbls., bxs lb. .19 - .24
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .37 - —
Orthoanisidin, bbls lb. .88 - —
Orthochloroanilin, dms., c.l. lb. .65 - —
l.c.l. lb. .67 - —
Orthochlorobenzaldehyde, dms., works lb. 1.18 - —
Orthochloroparanitroanilin, dms., dlvd lb. .86 - —
Orthochlorophenol dms., c.l., frt. equald lb. .34½- —
l.c.l., same basis lb. .35½- —
Orthocresol, pure, 20° C, non-ret., dms., c.l., frt. equald lb. .198 - —
l.c.l., same basis lb. .201 - —
ret. dms., c.l., same basis lb. .195 - —
l.c.l., same basis lb. .20 - —
29° C, non-ret. dms., c.l., same basis lb. .188 - —
l.c.l., same basis lb. .191 - —
ret. dms., c.l., same basis lb. .185 - —
l.c.l., same basis lb. .19 - —
24-29° C, non-ret. dms., c.l., same basis lb. .178 - —
l.c.l., same basis lb. .181 - —
tanks, same basis lb. .165 - —
Orthodichlorobenzene, dms., c.l., works, frt, alld. E. of Rockies lb. .11¾- .13¼
l.c.l., same basis lb. .12¾- .14¼
tanks, same basis lb. .10¼- .11¾
Orthoisopropyl N phenylcarbamate (see IPC).
Orthonitroanilin, dms lb. .50 - .56
Orthonitrochlorobenzene, dms lb. .20 - .21
Orthonitrobiphenyl tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrophenol, bbls, works lb. .94 - —
Orthonitrotoluene, dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld lb. .11 - —
tanks, frt. alld lb. .09 - —
Orthophenetidin, dms., works lb. 1.00 - —
Orthophenylphenol, fib. dms., works. lb. .20 - .44
Orthotoluidin, dms., c.l., works lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
Osage orange, crystals, No. 1, bbls., l.c.l lb. .40 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Orthotolidin (see Tolidine Base).
Ouabaine, USP, bots gram. 3.00 - 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. or more lb. 4.33 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works lb. 4.75 - 5.00
smaller lots, works lb. 5.23 - 5.26

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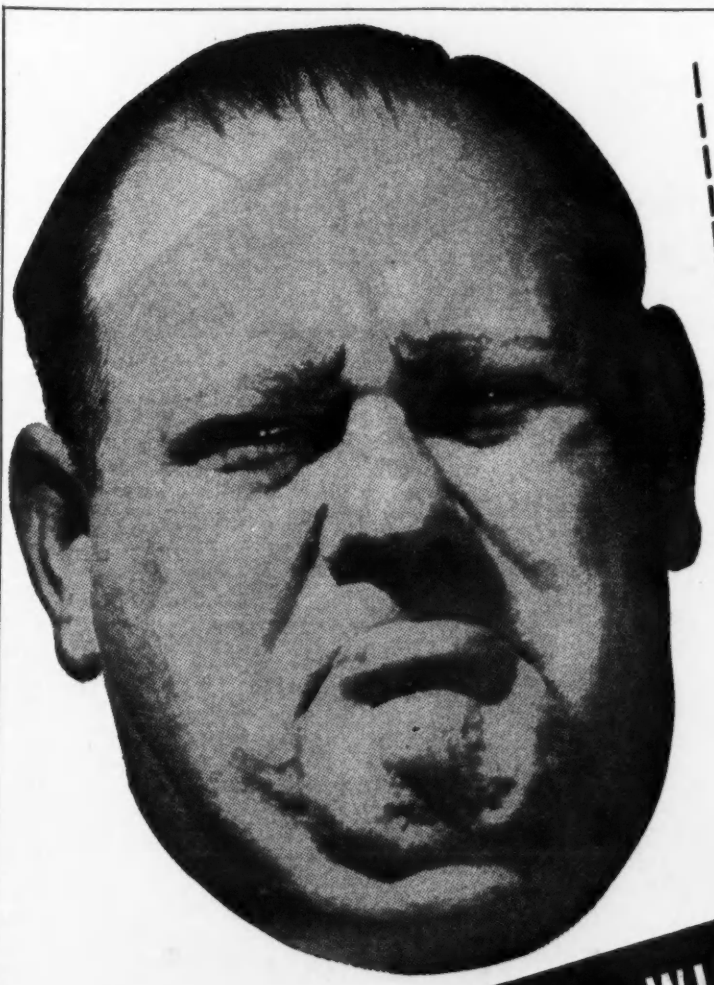
Pancreas substance, assay 1:75 bots. lb. 5.75 - 6.25
Pancreatin, USP, bots lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo. 90.00 - —
Papain, powd., African, dms lb. 6.45 - 9.00
Ceylon, dms lb. 5.00 - 6.00
Papaverine, natural or synthetic hydrochloride, USP, cns., 1,000 oz. lots oz. 3.70 - 5.00
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 - 7.35
Paprika, Algerian, bgs lb. .27 - .28
Czech, bgs lb. .23 - .24
Moroccan, bgs lb. .24 - .25
Spanish, bgs., new crop lb. .26 - .30

Para-anisidin, dms., works lb. .88 - —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Para-aminophenol, dms., frt. alld lb. .97 - .98
Parachloroanilin, dms., frt. alld., E. of Miss lb. .75 - —
Parachlorobenzaldehyde, dms., works. lb. 1.34 - 1.37
Parachloro-orthonitroanilin, dms., frt. alld lb. .73 - .82
Parachlorophenol, dms., c.l., frt. equald lb. .34½- —
l.c.l., same basis lb. .35½- —
Paracresol, 98%, dms., dlvd lb. .50 - —
Methylether, cns lb. 2.15 - 2.50
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller lots gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots. lb. .55 - —
Paradichlorobenzene, dms., c.l., works lb. .14½ - .15¼
l.c.l., same basis lb. .17 - .20
Paraffin, crude, scale, white, 120 AMP, solid, ctns., bbls. c.l., ref'y lb. .07 - —
tanks, same basis lb. .06 - —
fully refined, 122-124 ASTM, loose, c.l., ref'y lb. .0745- —
125-127 ASTM, loose, c.l., ref'y. lb. .0745- —
130-132 ASTM, loose, c.l., ref'y. lb. .0755- —
132-134 ASTM, loose, c.l., ref'y. lb. .0755- —
135-137 ASTM, loose, c.l., ref'y. lb. .0755- —
Paraffin prices in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, tech., 94-95%, powd., dms., c.l., N. Y. delivery lb. .16½- —
works lb. .14½- —
10,000 lbs., N. Y. delivery. lb. .18 - —
works lb. .15½- —
1,000 lbs., N. Y. delivery. lb. .19 - —
works lb. .16½- —
less than 1,000 lbs., N. Y., delivery lb. .21 - —
works lb. .18½- —
91-92%, flake, fib. dms., c.l., N. Y. delivery lb. .14½- —
works lb. .12½- —
10,000 lbs., N. Y. delivery. lb. .16 - —
works lb. .13½- —
1,000 lbs., N. Y. delivery. lb. .17 - —
works lb. .14½- —
less than 1,000 lbs., N. Y. delivery lb. .19 - —
works lb. .16½- —
USP X, fib. dms., c.l., dlvd. N.Y.C. lb. .198 - —
10,000-lb lots lb. .198 - —
1,000-lb. lots lb. .198 - —
smaller lots lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- —
tanks, works lb. .15 - —
Paranitroanilin, dms., c.l., works, frt. alld lb. .47½- —
l.c.l., works, frt. alld lb. .50½- —
Paranitrochlorobenzene, kgs., works. lb. .21 - .22
Paranitrophenol, kgs., works, frt. equald lb. .46 - —

Oil, Tar—Penicillin, Crystalline, Potassium

Paranitrotoluene, kgs., frt. alld lb. .36 - —
Paraphenetidin, dms., works lb. .90 - —
Paraphenylenediamine, redistilled, dms., works lb. 2.30 - 2.80
tech., refd., dms., same basis lb. 1.10 - 1.30
Paraphenylphenol, bgs., c.l., works. lb. .37½- —
l.c.l., same basis lb. .42 - —
Para-tertiary-butylphenol, bgs., c.l., works lb. .27½- —
l.c.l., same basis lb. .28½- —
Parathion, spray powder, 15%, dealers, tins lb. .53 - .59
tech., dms., works lb. 1.50 - —
Paratoluenesulphonamide, flake, bbls., frt. alld lb. .64 - .66
powd., bbls., works lb. .70 - —
solid, bbls., frt. alld lb. .61 - —
Paratoluidin, flake, bbls., frt. alld. lb. .64 - .68
solid, bbls., frt. alld lb. .61 - —
Pareira brava root, whole, bgs lb. .30 - .35
ground, bxs lb. .40 - .48
powder, bxs lb. .43 - .50
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb. .35 - .36
l.c.l., same basis lb. .39 - .67
Passion flower herb, bls lb .25 - .26
Peanut meal, 45%, sacked, mills ton. 87.00 -88.00
Pectin, citrous, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.50 - —
Penicillin, crystalline potassium, unlabeled vials, 100,000 units. vl. .10 - —
200,000 units vl. .12¾- —
500,000 units vl. .22½- —
1,000,000 units vl. .38 - —



"don't they know..."

"WHEN IT SMELLS BETTER—IT WILL SELL BETTER!"

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Felton chemists, with a wealth of research and experience in Industrial Aromatics and Deodorizing Agents, can supply you with the perfect reodorants or neutralizers for your products. All you have to do is *send us a sample of what you make*—so that we can make careful, individualized study of your requirements.

AROMATIC CHEMICALS • DEODORIZING CHEMICALS • PERFUME OILS • ESSENTIAL OILS

FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave Brooklyn 6 N Y

Penicillin, Potassium—Phosphate Rock, Curacao

Penicillin, potassium, bulk, sterile, over 25,000,000,000 unit lots..100,000 units. .019 - .025
tablet grade, over 25,000,000,000 unit lots..100,000 units. .02¼- —
Procaine, bulk, over 25,000,000,000-unit lots 100,000 units. .019 - .025
Sodium, unlabeled, vials, 100,000 units..vl. .10½- —
200,000 units.....vl. .13¾- —
500,000 units.....vl. .23¾- —
1,000,000 units.....vl. .40 - —
2,000,000 units.....vl. 1.03 - —
bulk, over 25,000,000,000 unit lots..100,000 units. .02½- —
Pennyroyal herb, bls.....lb. .45 - .50
Pentachlorophenol, dms., c.l., works, frt. equald..lb. .21 - —
l.c.l., same basis.....lb. .24 - .29
truckload, 20,000 lbs. min. same basis..lb. .21¼- —
Pentaerythritol, tech., bgs., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - .36
Di- and -tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial tanks, group a. gal. .12 - .13½
Pepper, black, spot, bgs.....lb. 1.12 - —
April shipment, bgs.....lb. 1.11 - —
May shipment, bgs.....lb. 1.06 - 1.07
June shipment, bgs.....lb. 1.03 - —
red, Carolina, longs, bgs.....lb. .31 - .32
Haitian, bgs.....lb. .26 - .27
Japanese hontakas, bgs.....lb. .33 - .35
birdseyes, bgs.....lb. .36 - .38
Louisiana longs, bgs.....lb. .30 Nom.
Mississippi sports, bgs., source, new crop..lb. .30 - .31
Mombasa, bgs.....lb. .53 - .54
Pepper, red, Turkish, bgs.....lb. .26 - .27
Nigerian, caps, bgs.....lb. .18 - .30
Sierra Leone, bgs.....lb. .46 - .47
White, bgs.....lb. 1.85 - —
Peppermint leaves, USP, dms., bls. lb. .50 - .52
imported, bls.....lb. .80 - .90
Pepsin, NF, 1:3,000 bulk, containers..lb. 3.75 - 3.90
Perchloroethylene, dms., c.l., or truckloads, works..lb. .11 - —
dlvd. E.....lb. .13½- —
l.c.l., works.....lb. .11¾- —
dlvd. E.....lb. .14 - —
tanks, works.....lb. .10 - —
dlvd. E.....lb. .12½- —
Peru, balsam, dms.....lb. 1.60 - 1.75
Petrolatum, amber, dms., c.l., refy. lb. .05 - .05⅝
l.c.l., dlvd.....lb. .06¾- —
tanks, refy.....lb. .03¾- .04⅛
cream, dms., c.l., refy.....lb. .06½- .07⅛
l.c.l., dlvd.....lb. .08½- —
tanks, refy.....lb. .05¼- .05⅝
extra, amber, dms., c.l., refy..lb. .05¼- .05⅝
l.c.l., dlvd.....lb. .07 - —
tanks, refy.....lb. .04 - .04⅜
USP, white, lily, dms., c.l., ref'y. lb. .06⅞- .07½
l.c.l., dlvd.....lb. .09⅛- —
tanks, ref'y.....lb. .05⅝- .06
soft, dms., c.l., ref'y.....lb. .07¼- .07¾
l.c.l., dlvd.....lb. .08¾- —
tanks, ref'y.....lb. .06 - .06¼
snow, dms., c.l., ref'y.....lb. .07⅜- .08
l.c.l., dlvd.....lb. .09⅝- —
tanks, ref'y.....lb. .06⅛- .06½
yellow, soft, dms., c.l., ref'y..lb. .05¼- .05⅞
l.c.l., dlvd.....lb. .06⅞- —
tanks, ref'y.....lb. .04 - .04⅜
Petroleum, crude, bulk, at wells, California..bbl. 1.10 - 2.90
Illinois.....bbl. 2.44 - 2.87
Kentucky.....bbl. 2.42 - 2.83
Louisiana-Arkansas.....bbl. 2.08 - 2.90
Montana.....bbl. 1.28 - 2.775
Oklahoma-Kansas.....bbl. 2.16 - 2.65
Pennsylvania lower field bbl. 3.82 - —
Upper field.....bbl. 4.25 - —
Texas, East.....bbl. 2.65 - —
Gulf coast.....bbl. 2.38 - 2.95
North, North-Central.bbl. 2.23 - 2.65
Panhandle.....bbl. 2.23 - 2.65
West.....bbl. 2.33 - 2.65
Wyoming.....bbl. 1.28 - 2.875
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery..bbl. 1.95 - 2.15
light, tanks, refinery..bbl. 2.00 - 2.25
eastern, tanks, Albany, N. Y. bbl. 2.80 - —
Baltimore, Md.....bbl. 2.48 - —
Boston, Mass.....bbl. 2.51 - —
Charleston, S. C.....bbl. 2.34 - —
Jacksonville, Fla.....bbl. 2.31 - —
N. Y. Harbor.....bbl. 2.45 - —
Norfolk, Va.....bbl. 2.43 - —
Philadelphia, Pa.....bbl. 2.48 - —
Portland, Me.....bbl. 2.54 - —
Providence, R. I.....bbl. 2.47 - —
Savannah, Ga.....bbl. 2.34 - —
Diesel, tanks, refinery, California gal. .0825- .115
Pennsylvania.....gal. .0925- .0975
Furnace, tanks, refinery, Arkansas, No. 2..gal. .08375- —
No. 3.....gal. .08 - —
N. Y. Harbor, No. 2—gal. .091 - —
group 3, No. 1.....gal. .08625- .09125
No. 1, straw.....gal. .09 - .09375
No. 2, straw.....gal. .08375- .08750
range.....gal. .08875- .0925
Petroleum, fuel oil, furnace, tanks, refy., Pennsylvania, western, No. 1..gal. .1075- .11625
No. 2.....gal. .1025- .1075
No. 3.....gal. .1025- —
Lacquer diluent, California, 170-225 F., b.r., tanks, ex tax, f.o.b. Los Angeles..gal. .167 - .207
East coast, tanks, N. J. and N. Y. refinery..gal. .18 - —
group 3, benzol-type, tanks, refinery..gal. .13125- .13625
toluol-type, tanks, refinery, gal. .12125- .12625
Mineral spirits, California, tanks, ex tax, f.o.b. San Francisco..gal. .147 - .157
East coast, tanks, N.J., N.Y. gal. .16 - —
Group 3, tanks.....gal. .10875- —
tankwagon, Baltimore....gal. .175 - —
Boston.....gal. .18 - —
Buffalo.....gal. .185 - —
Newark.....gal. .17 - —
New York.....gal. .165 - .17
Philadelphia.....gal. .165 - —
Pittsburgh.....gal. .19 - —
Providence.....gal. .185 - —
Rochester.....gal. .20 - —
Syracuse.....gal. .21 - —
Washington, D. C.....gal. .195 - —
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Group 3, tanks.....gal. .11375- —
tankwagon, Newark.....gal. .17 - —
New York.....gal. .17 - —
Philadelphia.....gal. .165 - —
high flash, 140°, group 3, refinery, tanks..gal. .134 - .1425
high-solvency, 200-235 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East Coast gal. .25½- —
25-26° C., m.a.p., tanks, same basis..gal. .24 - .30½
270-370 b.r., 78-81° C., m.a.p., tanks, same basis..gal. .29 - —
40° C., m.a.p., tanks, same basis..gal. .32 - —
26-27° C., m.a.p., tanks, same basis..gal. .24 - .33
300-400 b.r., 28-32° C., m.a.p., tanks, same basis..gal. .24 - .30½
340-410 b.r., 36° C., m.a.p., tanks, same basis..gal. .24 - —
32° C., m.a.p., tanks, same basis..gal. .24 - .30½
27° C., m.a.p., tanks, same basis..gal. .34½- —
350-425 b.r., 32° C., m.a.p., tanks, same basis..gal. .30½- .31½
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles, gal. .152 - —
Portland, Ore....gal. .158 - —
San Francisco.....gal. .157 - —
Seattle, Wash.....gal. .158 - —
East coast, N. J., N. Y., tanks..gal. .17 - —
Group 3, tanks.....gal. .11875- —
tankwagon, Boston.....gal. .195 - —
Newark.....gal. .185 - —
New York.....gal. .185 - —
Philadelphia.....gal. .180 - —
Pittsburgh.....gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco..gal. .157 - —
East coast, N. J., N. Y.gal. .17 - —
Group 3, tanks.....gal. .11875- —
Stoddard, California, tankwagon, ex-tax, Los Angeles..gal. .157 - .197
East coast, N. J., N. Y., tanks..gal. .16 - —
Group 3, tanks.....gal. .11375- —
Pennsylvania, w e s t e r n, tanks..gal. .17 - —
tankwagon, Boston.....gal. .18 - —
Newark.....gal. .17 - —
New York.....gal. .17 - —
Philadelphia.....gal. .165 - .17
Pittsburgh.....gal. .19 - —
Syracuse.....gal. .21 - —
Sulphonate, 70% sulphonic content, non-ret, dms., c.l., works..lb. .2040- —
l.c.l., works.....lb. .2065- —
tanks, works.....lb. .1850- —
60-62% sulphonic content, non-ret. dms., works..lb. .18 - .20
l.c.l., works.....lb. .19 - .20¼
tanks, works.....lb. .155 - —
50-55% sulphonic content, non-ret. dms., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .135 - —
Phenobarbital, USP, dms., 100 lbs..lb. 4.50 - 4.70
Phenobarbital-sodium, USP, dms..lb. 4.50 - 4.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies, lb. .19 - .20¼
l.c.l., same basis.....lb. .19¾- .21½
tanks, same basis.....lb. .17¼- .18¾
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .19 - .20½
l.c.l., same basis.....lb. .19¾- .21½
tanks, same basis.....lb. .17¼- .18¾
USP, synthetic, dms., c.l., same basis..lb. .21 - .21¼
l.c.l., same basis.....lb. .21¾- .22
tanks, same basis.....lb. .19¼- .19½
tar, distilled, dms., c.l., same basis..lb. .19 - .21
l.c.l., same basis.....lb. .19¾- .21¾
tanks, same basis.....lb. .17¼- .19¼
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots.....lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted..lb. .50 - —
over 2,100 lbs., same basis lb.. .52 - —
less than 2,100 lbs., same basis. lb. .54 - —
Phenyl acetate, dms., 100 lb. lots. works..lb. .50 - —
Salicylate (see Salol)
Phenylacetaldehyde solution, 50%, bots..lb. 2.40 - 2.70
100%, bots.....lb. 4.00 - 4.65
Phenylacetamide 125-lb. dms., works, lb. 1.10 - —
smaller dms., works.....lb. 1.15 - 1.10
Phenylalamine dextro-laevo, dms., works..lb.27.00 -37.50
Phenylcarbethoxy pyrazolone, 250-lb. fib. dms., dlvd. E..lb. 3.60 - —
less than 250-lb. dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., frt. alld..lb. .40 - —
l.c.l., frt. alld.....lb. .36 - .41
Phenylethanolamine, dms., c.l., works..lb. .69½- —
l.c.l., same basis.....lb. .70 - —
Phenylethyl acetate, dms.....lb. 1.50 - 1.90
Phenylethylphenyl acetate, bots..lb. 3.85 - 4.50
Phenylhydrazin base, CP, bots....lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works..lb. 1.75 - —
CP, bots., works.....lb. 3.12 - —
Phenylmethylpyrazolone, (see Methylphenylpyrazolone).
Phloroglucinol, com'l., fib. dms., works..lb. 6.40 - —
C.P., bots., fib. dms.....lb.16.00 -17.75
tech., fib., dms. works.....lb.10.45 - —
Phosgene, 150-lb. cyls., works....lb. .27½- —
Phosphate defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports..ton.40.00 - —

PENNSALT

ferric chloride

anhydrous and liquid

An ideal coagulant in water purification and the treatment of industrial and sewage waste.

ANHYDROUS: 150-lb. and 350-lb. steel drums

LIQUID: Carboys and rubber-lined tank cars

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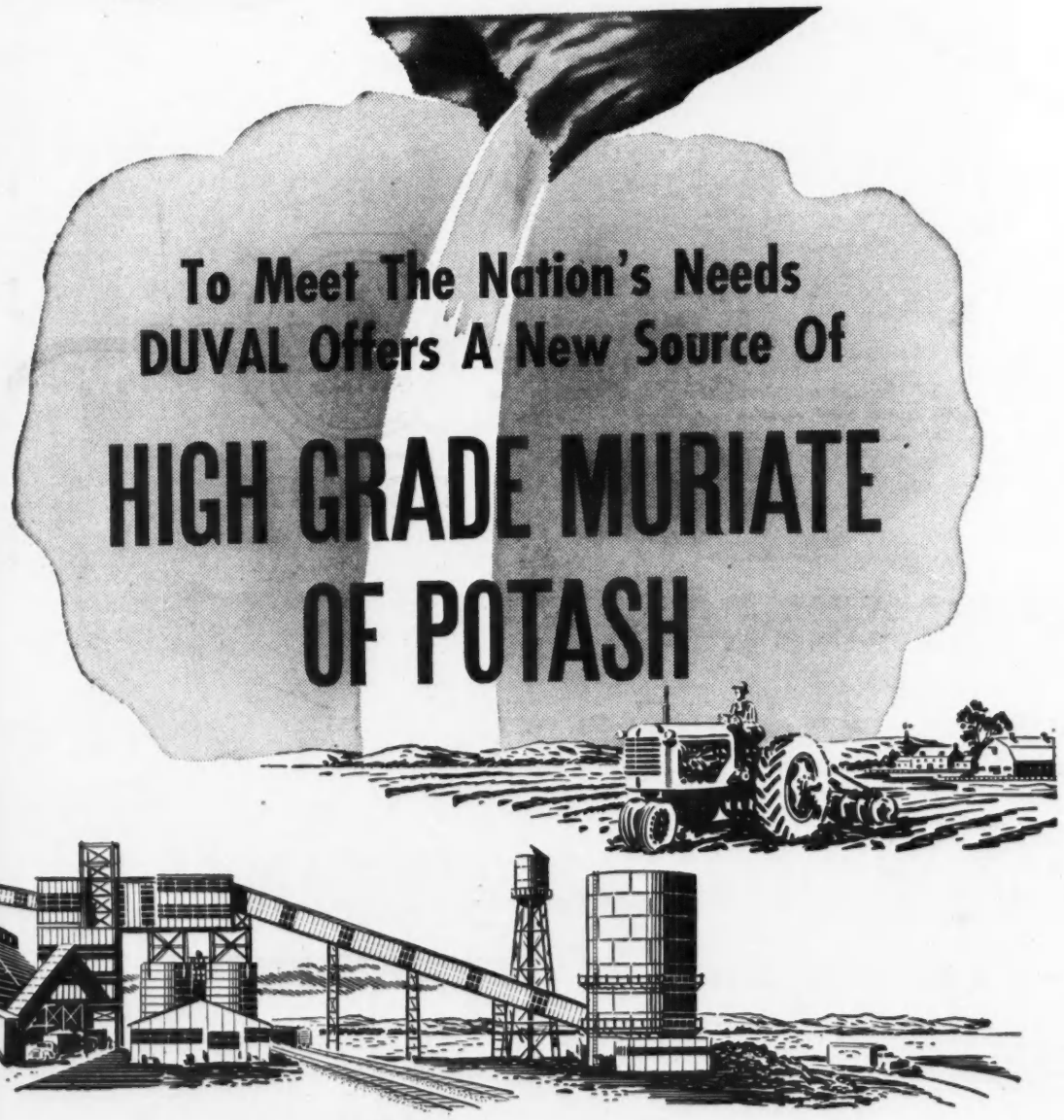
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis...long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis...long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis...long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis...long ton. 7.00 - —
finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines, short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines...short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines...long ton. 6.45 - —
30-29% P_2O_5 c.l., mines...long ton. 7.21 - —
Phosphorus, red, amorphous cs., lb. .46 - .47
dms. ...lb. .44 - .45
yellow, cns. ...lb. .30 - .37
dms., c.l. ...lb. .26 - —
Oxychloride, dms., c.l., works lb. .14 - .17
l.c.l., dms., works ...lb. .15 - .18
tankcars, works ...100 lbs. .11½- —
Pentasulphide, dms., c.l., works. lb. .12 - —
l.c.l., dms., works ...lb. .13 - .14
Phosphorus pentoxide, dms., c.l., works...lb. .12 - —
l.c.l., works ...lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export ...lb. .33½- .36
Trichloride, dms., c.l., works...lb. .14 - —
l.c.l., works ...lb. .15 - .18
tankcars, works ...100 lbs. .11½- —
Phthalic, anhydride, bgs., c.l., works, frt, equald ...lb. .22 - .22½
l.c.l., same basis ...lb. .23 - .23½
tanks, same basis ...lb. .22 - —
Bbls., ½c., per pound higher.
Phthalimide bbls. works ...lb. 1.10 - 1.37
Phthalylsulphacetamide, fiber dms., 100-lb. lots...lb. 6.00 - —
Pichi leaves, bgs. ...lb. .16 - .17
Picoline (See Alpha, Beta and Gamma Picoline).
Pilocarpine hydrochloride, NF, bots...oz. 5.25 - 6.22
Nitrate, USP, bots., vials ...oz. 5.10 - 6.20
Pimento, Guatemala, bgs. ...lb. .20 - .20½
Jamaica, bgs. ...lb. .28¼- .30
Mexican, bgs. ...lb. .15½- .16
Pinetar, retort, dms., extra, c.l., works...lb. .0488- —
l.c.l., same basis ...lb. .0545- —
whse. ...lb. .0655- —
tanks, works ...lb. .041 - —
Pinkroot, bls. ...lb. 1.75 - 1.80
Piperazine hexahydrate, bots., French Codex kilo. 8.00 - 8.50
Piperidine, 95%, dms., frt. equald. lb. 1.65 - 1.93
98% dms., same basis ...lb. 1.75 - 2.60
Piperonyl butoxide, dms., dlvd. E lb. 5.00 - 5.30
Cyclonene, dms., dlvd. E ...lb. 4.20 - 4.50
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms., mc., c.l., l.c.l., works...100 lbs. 10.09 - 10.54
Coaltar, 140°-150° F., m.p., bbls., c.l., works...ton. 38.00 - 39.00
l.c.l., works ...ton. 41.00 - —
Cottonseed, dms., works ...lb. .07½- .08
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms ...lb. .06½- .07
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South...100 lbs. 7.50 - —
Soybean, dms., works ...lb. .05½- .06
Tall, dms., works ...lb. .05½- .06
Plaster of Paris (see Gypsum).
Platinum metal, works ...oz. 90.00 - 93.00
Pleurisy root, bls ...lb. .45 - .50
Podophyllium resin, NF, dms...lb. 13.20 - 14.00
Pokeroot, bls ...lb. .18 - .20
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works ...lb. .48 - .50
Tristearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works ...lb. .48 - .50
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld. lb. .35½- .36
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis. lb. .37½- .38
standard, bgs ...lb. .35½- .36
crystals, heat-resistant, bgs., c.l., l.c.l. lb. .34 - .34½
standard, bgs., c.l., l.c.l. ...lb. .32½- .33
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root, bark, bgs. ...lb. .60 - .65
Poppy flowers, bgs ...lb. .80 - 1.00
seed, Argentine, bgs. ...lb. .13½- .13¾
Czech, bgs. ...lb. .13½- .14
Dutch, bgs. ...lb. .13¾- .14
Polish, bgs ...lb. .13 - .13½
Turkish, bgs. ...lb. .13 - .13½
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works...100 lbs. 10.00 - —
l.c.l., works ...100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works. 100 lbs. 4.625 - —
l.c.l., works ...100 lbs. 5.125 - —
tanks, works ...100 lbs. 4.30 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works ...100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works...100 lbs. 8.50 - —
l.c.l., works ...100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works...100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works 100 lbs. 8.65 - —
Potassium abietate, dms., works. lb. .25 - .28
Acetate, NF, dms. ...lb. .31 - .36
Bicarbonate, USP, gran., dms. lb. .22 - —
powd., dms ...lb. .24 - —
Bichromate, bgs., c.l., works. lb. .14½- —
l.c.l., same basis ...lb. .14¾- .15½
Potassium bichromate in drums ½c. higher.
Bitartrate (see Cream of tartar).
Borate, fran., bgs., c.l., works...ton. 180.00 - —
ton lots, ex whse ...ton. 253.00 - —
less ton lots, ex whse...ton. 258.00 - —
Potassium borate in bbls., $24.50 per ton higher.
Bromate, bbls., 1,000 lbs. or more. lb. .50 - .52
25-200-lb. lots ...lb. .55 - .57
Bromide, USP, cryst., gran., bbls., kgs lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works...100 lbs. 8.25 - —
l.c.l., same basis ...100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works...100 lbs. 6.75 - —
l.c.l., works ...100 lbs. 7.50 - —
USP, gran., bbls., dms. ...lb. .16½- .18
powd., bbls., dms ...lb. .21 - .23
Chlorate, cryst., dms., c.l., works lb. .09¾- —
l.c.l., works ...lb. .10 - .11
powd., dms., c.l., works ...lb. .10¼- —
l.c.l., works ...lb .10¾- .11¾
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms ...lb. .31 - .33
Chloride, USP, cryst., dms. ...lb. .26 - .27
gran., dms ...lb. .20 - .22
powd., dms ...lb. .29 - .32
Chromate, tech. bgs. ...lb. .32 - .36
Citrate, USP, gran., dms. ...lb. .37½- .38½
powder, dms ...lb. .40½- .41½
Cyanide, dms., works ...lb. .55 - —
Fluoborate, fib. dms., c.l., works. lb. .26 - —
l.c.l., works ...lb. .27 - —
Fluoride, dms., works. ...lb. .24 - —
Gluconate, dms ...lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms. lb. 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb. dms. 1 to 100 dms. ...lb. .31½- .36
Hypophosphite, NF, ton lots or less, fib. dms. lb. 1.00 - 1.03
Iodide, dms ...lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran. bbls. ...lb. .21 - —
powd., bbls. ...lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .42 - —
Trona, Cal. ...unit-ton. .50½- —
50-51% K_2O, paper bgs., Carlsbad, N. M. ...ton. 25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms. lb. .30 - .32
purified, dms ...lb. .42 - .44
Perchlorate, dms., c.l., works. lb. .14 - —
l.c.l., works ...lb. .14½- .15¼
Permanganate, tech., dms., works, lb. .22½- .23¼
USP dms., works ...lb. .24¾- .30¼
Persulphate, dms., c.l., works. lb. .18 - .19
l.c.l., works ...lb. .20 - .22
Phosphate, tetrabasic, bbls., works, lb. .16½- .18¼
Prussiate, red, kgs. ...lb. .60 - .63
yellow, dms., ton lots ...lb. .22½- —
smaller quantities ...lb. .23 - —
kegs ...lb. .28 - —
Silicate, glass, bgs., c.l., works. 100 lbs. 14.70 - —
l.c.l. ...100 lbs. 15.20 - —
solution, 29° Be., ret. dms., c.l., works ...100 lbs. 4.50 - 4.55
l.c.l., 5 dms. or more, works...100 lbs. 5.25 - 6.30
30° Be, ret. dms., c.l., works. 100 lbs. 4.70 - —
l.c.l., works ...100 lbs. 5.20 - —
32.5° Be., ret. dms., c.l., works. 100 lbs. 4.85 - —
l.c.l., works ...100 lbs. 5.35 - —
40° Be., ret. dms., c.l., works...100 lbs. 5.35 - —
l.c.l., works ...100 lbs. 5.85 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 6.00 - 6.75
l.c.l., 5 dms. or more, works...100 lbs. 6.75 - 7.50
1-4 dms., works...100 lbs. 7.25 - 7.90
Silicofluoride, bbls., works ...lb. .09½- .10
Stannate, dms., frt. alld. E ...lb. .740 - .796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%...ton. 36.25 - —
NF VII, cryst., dms. ...lb. .31 - .33
gran., dms. ...lb. .18½- —
powder, dms. ...lb. .19 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms. lb. .82 - 1.08
tech., works ...lb. .77 - .79
Titanate, ctns., c.l., works ...lb. .12½- —
5-ton lots, works ...lb. .12¾- —
1-ton lot or less, works ...lb. .13 - —
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO...ton. 16.00 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works. lb. .35 - .36
Potassium-titanium oxalate, bbls., cs., lb. .85 - .95
Potassium-zirconium fluoride, fib. dms., c.l., works. lb. .50 - —
l.c.l., works ...lb. .52½- .55
Pregnenolone, bots. ...gm. 1.50 - 1.75
Acetate, bots. ...gm. 1.25 - 1.50
Prickly ash bark, bls. ...lb. .30 - .35
Berries, bgs. ...lb. .70 - .75
Prince's pine herb, bls. ...lb. .55 - .60
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works. lb. 3.40 - 3.75
spot ...lb. 3.40 - 3.75
Progesterone, USP, 100 gms., bots. gm. 1.75 - —
Propane, commercial grade, tanks, group 3. gal. .04 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract. lb. .60 - —



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Propyl aldehyde (see Propionaldehyde)
Gallate, dms., 2,000 to 100 lb. lots, works lb. 3.90 - 4.40
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .0845- .093
l.c.l. lb. .0950- .1050
tanks lb. .07 - .08
Oxide, dms., c.l., frt. alld. E lb. .19½- .20½
l.c.l., frt. alld., E lb. .20½- .21½
tanks, frt. alld. E lb. .17½- .18½
Propyleneglycol, tech., dms., c.l., frt. alld. E lb. .19¼- .21¼
l.c.l., same basis lb. .20¼- .22¼
tanks, same basis lb. .17½- .18½
USP, dms., c.l., frt. alld. E lb. .20¼- .21½
l.c.l., same basis lb. .21¼- .22¼
tanks, same basis lb. .18½- .19½
Methylether, dms., c.l., frt., equald lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .19½- —
Propylthiouracil, bots., 50 kilos or more kilo.55.00 - —
smaller lots kilo.55.10 -55.30
Psyllium seed, black, bgs lb. .27 - .30
blonde, bgs. lb. .19 - .20
husks, bgs. lb. .50 - .55
Pulsatilla herb, bls lb. .45 - .53
Pumice, dom., grd. coarse, 0, 1, 1½, 2, 3 bgs., ton lots, f.b. lb. .03¾- .04
smaller, lots lb. .03⅞- .04¼
ton lots lb. .06¼- —
Italian, silk-screen, coarse, bgs., fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs ton lots lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 - .20
Purple Lake, (see Red).
Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works. lb. .50 - —
powder, 1.3% pyrethrins, bbls., works lb. .71½- —
liquid (20 to 1) basis 2 grams pyrethrins per 100 cc. odorless basis, bbls., works.gal.10.50 - —
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works gal.15.75 - —
oleoresin dewaxed, 20%, for aerosol bombs, dms., works.lb.11.00 -12.00
Pyrethrin synthetic (see Allethrin).
Pyridin, denaturing, dms., c.l., works and frt. equald gal. 2.67 - —
l.c.l., same basis gal. 2.70 - —
refd., 2°, non-ret. dms., c.l., same basis lb. .89½- 1.04½
l.c.l., same basis lb. .90 - 1.05
Pyridoxine hydrochloride, 100-gram bots gram. .55 - —
Pyrites long-ton. No prices.
Pyrocatechol (see Catechol).
Pyrogallol, NF lb. 3.25 - 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines ton.13.50 -14.00
rubber grade, 140 mesh, bgs., c.l., mines ton.13.50 - —
standard, 200 mesh, bulk, c.l., mines ton.12.50 - —
230 mesh, bulk, c.l., mines.ton13.50 - —
325 mesh, bulk, c.l., mines.ton.16.75 - —
No. 3, 200 mesh, bulk, c.l., mines, ton.11.00 - —

Standard and No. 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra.

Pyroxylin, USP, bots lb. 9.59 - —
Scrap, opaque, amber, cs., works, lb. .15 - —
black, cs., works lb. .12 - —
mixed, mottled, cs., works lb. .11 - —
white, china, ivory, cs., works, lb. .12 - —
dense, cs., works lb. .12 - —
translucent, pastels, cs., works, lb. .14 - —
transparent; colorless, cs., works, lb. .20 - —
colors, cs., works lb. .14 - —
shavings, opaque, amber, cs., works lb. .12 - —
mixed, colors, cs., works lb. .12 - —

Q

Quassia, chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12⅞- —
ordinary, 63% tannin, bgs., c.l., same basis lb. .11 31/64 —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .20 - .25
Quercitron crystals, No. 1, bbls., l.c.l lb. .40 - —
liquid, No. 1, extract, bbls., l.c.l., lb. .19 - —
Quicksilver, flasks (76 lbs. net) flask.206.00 -211.00
Quince seed, bgs lb. .80 - 1.50
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.90 - —
powd., precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.25 - —
Quinine, NF, cns., 100-oz. lots oz. .70 - —
Bisulphate, USP, cns., 100-oz. lots oz. .51 - —
Dihydrochloride, USP, cns oz. .70 - .72
Ethylcarbonate, NF, cns., 100-oz. lots oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100-oz. lots oz. .63 - —
Phosphate, NF, cns., 100-oz. lots.oz. .76 - —
Salicylate, NF, cns., 100-oz. lots oz. .66 - —
Sulphate, USP, cns., 100-oz. lots.oz. .56½- —
Quinine and Urea hydrochloride, NF, cans oz. .68 - —
Quinolin, ret. dms., c.l., frt. equald. lb. .60¾- —
l.c.l., same basis lb. .61¼- —
tanks, same basis lb. .60 - —

R

R salt, paste dry basis, dms., frt. alld lb. .87 - —
Raspberries, dried, bbls lb. 1.25 - 1.30
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light, medium shades, bbls. lb. 2.75 - —
maroons, pure, bbls lb. 1.75 - —
resinated, bbls lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies.lb. 4.60 - —
light shade, bbls., same basis. lb. 4.20 - —
medium shade, bbls., same basis lb. 4.50 - —
medium-light shade, bbls., same basis lb. 4.30 - —
orange shade, bbls., same basis lb. 3.80 - —
Red, lithopone, deep shade, bbls., same basis lb. 1.85 - 1.90
light shade, bbls., same basis, lb. 1.75 - —
maroon shade, bbls., same basis lb. 2.00 - 2.10
medium shade, bbls., same basis lb. 1.85 - —
medium-light shade, bbls., same basis lb. 1.80 - —
orange-red shade, bbls., same basis 4lb. 1.70 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls.. works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .12½- —
Iron oxide, pure, 98%, bgs., c.l., works lb. .12¼- —
l.c.l., works lb. .12½- —
natural, 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb. .05¾- —
Lake C, toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol, toner, bbls, works lb. .85 - —
rubin, toner, pure bbls., works resinated, bbls., works lb. 1.50 - —
lb. 1.40 - —
Virginia, bbls, works lb. 1.40 - —
Maroon toner, BON, arylid, dlvd lb. 3.60 - —
Cadmium, deep, bbls., works, lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Red, maroon MNPT, toner, kgs., works lb. 3.60 - —
Maroons in smaller pkgs. 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs, works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l., works lb. .02¾- —
Oxide (see Red iron oxide).
Persian gulf, bgs., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para toner, bbls lb. .55 - —
Chlorinated, kgs lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA., kegs lb. 4.90 - —
tungstated, PTMA, works, kegs, lb. 5.79 - 5.80
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidin toner, deep shades, kgs., works lb. 1.45 - —
light shades, kgs., works lb. 1.45 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .0375
20%, bgs., works lb. .04 - —
25%, bgs., works lb. .0450- —
30%, bgs, works lb. .0475- —
35%, bgs., works lb. .05 - —
40%, bgs, works lb. .0525- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns. lb. 3.70 - —
Watchung, bbls lb. 1.95 - —
Red, KB base (see Chloro (4)-2-toluidine).

Red precipitate, NF, powd., fib. dms lb. 4.37 - 4.41
Red saunders NF, powd., bbls lb. .35 - —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works lb. .82½- —
l.c.l., works lb. .83½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Resorcinol monoacetate, NF, dms., lb. 3.25 - 3.45
Rhatany root, bgs lb. .15 - .16
Rhodinol, 5-lb. cans lb.40.00 -56.00
Rhubarb root, China, whole, cs lb. .70 - 1.25
powd., bbls lb. .75 - 1.50
India, whole, bgs lb. .30 - .35
powdered, bbls lb. .35 - .40
Riboflavin, USP, bots., dlvd kilo.125.00 - —
Readily soluble, bots., dlvd kilo.125.00 - —
Rice bran, concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .37½- —
smaller lots lb. .38 - .43
Rose flowers, pale, bls lb. .45 - .50
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .10½- .11
Portuguese, bls lb. .06¾- .07
Spanish, bls lb. .08 - .08½
Rosin, gum and wood (see Naval Stores, Protective Coatings market).
Rotenone, CP, bbls., works lb.20.00 - —
tech., bbls., works lb.16.50 - —
Rottenstone, bgs., c.l., mines ton.40.00 - —
l.c.l., mines ton.48.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 10-kilo lots, fib. dms gram. .03 - .04
smaller lots, fib. dms gram. .03 - .04
Ryania, 100% powd., bgs., works lb. .20 - —

International

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For more than ten years, *International* has been a major producer of potash salts at its mine near Carlsbad, New Mexico. Now, with its chemical manufacturing plant at Niagara Falls, New York, *International* provides for the first time in the industry a *three-way control* in the production of potassium chemicals. *Mining. Refining. Manufacturing. International's* basic position in the potash chemicals field assures effective control at every stage of production, and large tonnages of chemicals carefully prepared to specifications.

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Carbonate of Potash
All Standard Grades
Potassium Chloride-Refined
Potassium Sulfate

INTERNATIONAL MINERALS & CHEMICAL CORPORATION
General Offices: 20 North Wacker Drive, Chicago 6

Sabadilla Seed—Sodium Hypophosphite

S

Sabadilla seed, powd., bbls ..... lb. .73 - —
activated, ground with lime, bbls lb. .45 - .50
Saccharin, USP, gran., soluble, dms., 1000-lb. lots lb. 1.60 - —
smaller lots ..... lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 - —
smaller lots ..... lb. 1.75 - 1.95
Safflower, Egyptian, bls ..... lb. .65 - .70
Saffron, Mexican, bls ..... lb .90 - .95
Spanish, USP, tins ..... lb.24.00 -27.00
Safrol, dms ..... lb. .72 - 1.35
Sage, Cretan, bls ..... lb. .12½- .13
Cyprus, bls ..... lb. .09 - .09½
Dalmatian, bls ..... lb. .58 - .59
Greek, bls ..... lb. .12½- .13
Officinalis, Italian, bls ..... lb. .23 - .24
Spanish, bls., stemless ..... lb. .12 - .12½
Syrian, bls ..... lb. .13 - .13½
Turkish, bls ..... lb. .13 - .13½
Sago flour, refined, bgs ..... lb. .09 - .09¼
unrefined, bgs ..... lb. .0735- .0775
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs ..... lb. 1.05 - —
fib. dms ..... lb. 1.07 - 1.08
powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l., works, 100 lbs. .63 - —
l.c.l. ..... 100 lbs. 1.09 - —
Table, vacuum, common, fine, paper bgs. c.l., works. 100 lbs. .77 - —
l.c.l., works ..... 100 lbs. 1.12½- —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.17.00 - —
Saltpeter, cryst., bbls., 10-ton lots, 100 lbs.14.40 - —
smaller lots ..... 100 lbs.14.65 -14.90
powd., bbls., 20-ton lots .... 100 lbs.10.75 - —
smaller lots ..... 100 lbs.12.00 -12.50
gran., bbls., 20-ton lots .... 100 lbs. 9.75 - —
smaller lots ..... 100 lbs.11.10 -11.50
NF, gran., dms ..... lb. .09¾- .17¾

Saltpeter in bags, 50c. per 100 lbs. less than in barrels; in kegs, $1 more.

Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms ..... lb. .75 - .76
Sanguinarine nitrate, bots ..... oz. 4.75 - 5.50
Santonin, NF, dom., dms., cryst., powd., cns kilo.275.00 -297.00
imported, cryst., powd., cns kilo.300.00 - —
Saponin, No. 1, 100-lb. dm ..... lb. 2.75 - —
Sarsaparilla root, dom., bls ..... lb. .45 - .50
Honduras, bls ..... lb. .38 - .40
Mexican, bls ..... lb. .22 - .25
Sassafras bark, ord., bls ..... lb. .35 - .40
select, bls ..... lb. .60 - .65
Savory, French, bls ..... lb. .15½- .16
Spanish, bls ..... lb. .08½- .09
Saw palmetto berries, bgs ..... lb. .30 - .35
Scammony resin lump, cns ..... lb. 1.95 - 2.20
powd., cns ..... lb. 2.05 - 2.30
Root, bgs ..... lb. .10 - .14
Schaeffers salt, paste, dms., frt. alld. lb. .77 - —
powder bgs., frt. alld ..... lb. .80 - —
Scopolamine hydrobromide, bots. oz.17.60 -18.30
Hydrochloride, USP, bots ..... oz.64.00 - —
Seidlitz mixture, bbls., 5,000 lbs. lb. .30½- —
smaller lots ..... lb. .31 - .32
Selenium, powd., dms., dlvd ..... lb. 3.25 - —
Senega root, bls ..... lb. 2.00 - 2.15
Senna leaf, Alex., half-leaf, bls. lb. .18 - .20
sifting, bgs ..... lb. .14 - .16
Tinnevelly, No. 1, bls ..... lb. .21 - .22
No. 2, bls ..... lb. .19 - .21
No. 3, bls ..... lb. .16 - .19
powdered, bls., bxs ..... lb. .20 - .24
Pods, bls ..... lb. .40 - .50
Serpentaria root, bls ..... lb. 5.00 Nom.
Sesame seed, Indian, white, hulled, bgs. lb. No stocks.
natural, bgs ..... lb. No stocks.
Nicaragua, hulled, bgs ..... lb. .22 - .29
natural, bgs ..... lb. .15 - .15½
Turkish, bgs ..... lb. .15 - .15½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .50 - —
bbls., 1,500-lb. lots ..... lb. .51 - —
kgs., 1,500-lb. lots ..... lb. .53 - —
refined, bgs., 1,500-lb. lots lb. .60 - —
bbls., 1,500-lb. lots ..... lb. .61 - —
kgs., 1,500-lb. lots ..... lb. .63 - —

Bunedry shellac prices for less than 1,500 lb. lots, 1c. per lb. higher for all packages.

Lemon, No. 1, bgs ..... lb. .39½- .41
No. 2, bgs ..... lb. .34 - .40
Superfine, bgs., 10-bg. lots ..... lb. .32 - .36
TN, bgs., 10-bg. lots ..... lb. .30 - .34
Shellac in 1 to 9 bgs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works ton.25.00 - —
l.c.l., works ..... ton.30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., works ..... ton.25.00 -30.00
140 mesh, bgs., c.l., works ton.15.00 - —
l.c.l., works ..... ton.20.00 - —
Silicon tetrachloride, tech., dms., c.l., works. lb. .16 - —
l.c.l., works ..... lb. .20 - .28½
Silver bullion, ingots, cs ..... oz. .88 - —
Cyanide, fib. dms., 2,500-oz lots, nx. .79½- —
1,000-oz. lots ..... oz. .79⅜- —
500-oz. lots ..... oz. .79⅜- —
100-oz. lots ..... oz. .79⅜- —
Nitrate, CP, cryst., bots., 2 500-oz. lots. oz. .56⅜- —
1,000-oz. lots ..... oz. .57⅜- —
500-oz. lots ..... oz. .58⅜- —
250-oz. lots ..... oz. .58⅜- —

USP granular silver nitrate, 4c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots. oz. 1.00 - —
Simaruba bark, bls ..... lb. .60 Nom.
Skullcap herb, Eastern, bls ..... lb. .50 - .65
Western, bls ..... lb. .30 - .35
Skunk cabbage root, bls ..... lb. .35 Nom.
Slate flour, bgs., c.l., works ..... ton.11.00 -12.00
l.c.l., ex whse ..... ton.20.00 -60.00
Sloe berries, bgs ..... lb. .24 - .28
Smalt, black, ctns ..... lb. .15 - —
Blue, ctns ..... lb. .18 - —
Snakeroot, Canada, bls ..... lb. .75 - .80
Soapbark, bls ..... lb. .25 - .27
crushed, bls., bbls ..... lb. .32 - .35
powd., bbls ..... lb. .35 - .37
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., stock points .... 100 lbs. 2.85 - 4.62
bbls., c.l., works ..... 100 lbs. 2.15 - —
l.c.l., stock points .... 100 lbs. 3.35 - 4.12
bulk, c.l., works ..... 100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works. 100 lbs. 1.50 - —
l.c.l., stock points .... 100 lbs. 2.75 - 4.52
bbls., c.l., works ..... 100 lbs. 2.05 - —
l.c.l., stock points .... 100 lbs. 3.25 - 5.02
bulk, c.l., works ..... 100 lbs. 1.20 - —
Soda, caustic, flake, powd., 76%, c.l., works. 100 lbs. 3.75 - —
l.c.l., stock points .... 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis .. 100 lbs. 2.55 - —
rayon-type, tanks, works, dry basis .. 100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis .. 100 lbs. 2.65 - —
rayon-type, tanks, works, dry basis .. 100 lbs. 2.75 - —
solid, 76%, dms., c.l., works . 100 lbs. 3.35 - —
l.c.l., stock points .... 100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works ..... 100 lbs. 1.40 - —
l.c.l., works ..... 100 lbs. 1.70 - —
Soda-lime, USP, dms ..... lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works. lb. .12 - —
l.c.l., dms ..... lb. .12¾- —
NF, gran., dms., works ..... lb. .16 - —
Alginate, refined, water-soluble, bbls. works lb. .83 - —
semi-refined, bbls., works . lb. .54 - —
NF, white, powd., dms., works. ton lots. lb. 1.40 - —
smaller, lots ..... lb. 1.50 - 1.65
Aluminate, bgs., 29 000 lbs. or more .. 100 lbs. 8.50 - —
smaller, lots ..... 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E lb. .40½- —
l.c.l., dlvd ..... lb. .41½- —
Arsenate, dms., c.l., works ..... lb. .12½- —
l.c.l., dms., works ..... lb. .13¾- .14¾
Arsenite, dms., c.l., works .... lb. .13½- —
l.c.l., dms., works ..... lb. .14¼- .15¼
solution, dms., works ..... gal. .70 - 1.10
Benzoate, tech., bbls., dms., 100 lbs. or more .. lb. .37½- .39
USP, bbls., dms., 100 lbs. or more .. lb. .44½- .46
Biborate (see Borax).
Bicarbonate, USP, gran., bgs., c.l., works .. 100 lbs. 2.50 - —
l.c.l., works .... 100 lbs. 3.15 - —
powd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works ..... 100 lbs. 2.75 - —
Bichromate, bgs., c.l., works. lb. .11 - —
l.c.l., same basis ..... lb. .11¼- .12
Bifluoride, bbls., c.l., works, frt. equald .. lb. .1375- —
l.c.l., same basis ..... lb. .1415- —
Bisulphate, bulk, c.l., works, 100 lbs. 2.00 - —
dms., c.l., works ..... 100 lbs. 2.65 - 3.85
l.c.l., works ..... 100 lbs. 3.05 - 3.65
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.90 - —
l.c.l., works ..... 100 lbs. 4.15 - —
solut. 35°, bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., works ..... 100 lbs. 1.80 - —
Borate (see Borax).
Bromide, USP, bbls.., kgs., works. lb. .34 - .35
Cacodylate, NF, jars, dms .... lb. 7.00 - 9.00
Carbonate, anhydrous (see Soda ash).
crystalline, decahydrated (see Soda sal).
monohydrated, bgs., c.l., works 100 lbs. 2.65 - —
l.c.l., works ..... 100-lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works. lb. .08¼- —
l.c.l., works ..... lb. .08¾- .09¼
Chloride, tech (see Salt).
USP, dms ..... lb. .21 - —
Chlorite, tech., dms., works ... lb. .58 - .73
Chloroacetate, tech., dms., c.l., works. lb. .24 - —
l.c.l., dms., works ..... lb. .25 - .26
Chromate, dms., c.l., works .. lb. .12¾- —
l.c.l., same basis ..... lb. .13 - .13¼
Citrate, anhyd., dms ..... lb. .60 - .65
USP VIII, gran., dms ..... lb. .22½- .29½
USP XIV, gran., dms ..... lb. .28 - .32
Sodium citrate USP powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots., works .. lb. .85 - 1.10
smaller lots, works ..... lb. 1.00 - 1.25
Cyanide, 96-98%, dms ..... lb. .168 - .183
Diacetate, 33-35% acidity, 250-lb. dms., works .. lb. .14 - —
l.c.l., dms ..... lb. .14¾- —
anhydrous, dms., c.l., works .. lb. .17 - —
l.c.l. ..... lb. .17¾- —
Fluoride, white, 90%, bbls., c.l., works .. lb. .11 - —
l.c.l., works ..... lb. .1140- —
95%, bbls., c.l., works ..... lb. .1125- —
l.c.l., works ..... lb. .1165- —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works .. lb.12.00 - —
2 to 25 tins to case, works .. lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works .. lb.16.50 -21.00
Formate, bgs., c.l., dlvd .... 100 lbs. 7.10 - —
l.c.l. ..... 100 lbs. 8.15 - 8.45
Gentisate, 100-lb. fib. dms ..... lb. 8.50 - —
Gluconate, dms ..... lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd .. lb. 1.66 - —
smaller lots, dlvd ..... lb. 1.67 - 1.69
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls ..... lb. 1.85 - 2.00
solution, 75%, cbys ..... lb. 1.06 - 1.21
Hydride, dms., works ..... lb. 2.40 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld .. lb. .24½- —
l.c.l., frt. alld ..... lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb. dms., 1 to 100 dms .. lb. .21½- .26
Hypophosphite, NF, ton lots or less, dms .. lb. .93 - .98

CHROMATE CONVERSION FILMS

an important new factor in protective and decorative finishes

CHEMICAL conversion films, formed by metal-finishing chromates, provide good paint adherence and corrosion protection on zinc, cadmium, aluminum, magnesium, iron and steel. These finishes are non-electrolytic, and should not be confused with those resulting from anodizing. The metal to be treated is simply immersed in the chromate-containing solution for a short period during which, according to accepted theories, the chromium combines with the basis metal to form a thin, complex oxide film. This film differs from chromate primers in that it becomes an integral part of the metal surface.

These chemical processes which employ sodium chromate, sodium bichromate and chromic acid are invaluable in extending the use of scarce metals in both military and civilian production. When compared to anodizing they have the advantage of being cheaper and quicker.

For further information regarding the processes described above, as well as any of the many other uses for chromium chemicals, write to Mutual's Research and Development Department.

SODIUM BICHROMATE • SODIUM CHROMATE
POTASSIUM BICHROMATE • CHROMIC ACID

MUTUAL CHEMICAL CO. OF AMERICA — MUTUAL — NEW YORK N.Y. — SINCE 1845 — REG. U. S. PAT. OFF.

MUTUAL CHEMICAL COMPANY OF AMERICA
270 Madison Avenue • New York 16, N. Y.

Sodium hyposulphite, tech., bgs., works..100 lbs. 4.00 - —
l.c.l., same basis.....100 lbs. 4.40 - 6.90
photo grade, bgs., c.l., works. 100 lbs. 4.00 - 4.25
l.c.l., same basis....100 lbs. 4.65 - 7.15
pea crystals, bgs.....100 lbs. 4.50 - —
gran., bgs., c.l., works.100 lbs. 5.00 - —

Sodium, hyposulphite crystals in bbls. 50c. higher.

NF (see Sodium thiosulphate).

Iodide, USP, bots., dms.....lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works..lb. .21½- —
60% dms cbys., works ..lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd.....lb. .28 - —
tanks, dlvd.....lb. .25 - —
Metaborate, octahydrate, gran., bgs., c.l., works..ton.78.50 - —
l.c.l., ex., whse.....ton.124.50 -129.50
tetrahydrate, c.l., bbls., works. ton.199.50 - —

Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.

Metal, tanks, works.....lb. .16 - —
bricks, dms., works.....lb. .17 - .19
Metanilate, bbls. frt. alld.....lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works..100 lbs. 4.70 - —
l.c.l., works.....100 lbs. 4.95 - 5.20
dms., c.l.....100 lbs. 5.05 - —
l.c.l.....100 lbs. 5.30 - 5.55
pentahydrate, bgs., c.l., works, frt. equald..100 lbs. 3.80 - —
l.c.l., bgs., works....100 lbs. 4.05 - 4.30
dms., c.l., works.....100 lbs. 4.20 - —
l.c.l., works.....100 lbs. 4.45 - 4.70
Molybdate, crystals, bbls., works lb. .75 - .85
powd., anhy., dms., works..lb. 1.05 - 1.06
Monohydrate (see Sodium carbonate., monohydrated).
Naphthionate, bbls.....lb. .70 - —
Nitrate, crude, bgs., c.l., works. ton.51.00 - —
bulk, c.l., works.....ton.47.50 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.57.00 - —
bulk, c.l., same basis..ton.53.50 - —
Nitrite, bbls., c.l., works, frt. equald..lb. .07¼- —
l.c.l., same basis.....lb. .08¾- —
USP, gran., dms.....lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works..... 100 lbs. 5.50 - —
Oxalate, neut., bgs., works....lb. .104 - —
Para-aminobenzoate, dms., 1,000-lb. lots or more..lb. 3.00 - —
smaller lots .....lb. 3.05 - 3.40
Para-aminosalicylate, dms., 1,000-lb. lots., frt. adjusted. lb. 4.25 - —
smaller lots, same basis lb. 4.30 - 4.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald.lb. .25½- —
l.c.l., same basis.....lb. .26½- .28¼
pellets, bgs., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .26 - 28
powd., bgs., c.l., same basis..lb. .24 - —
l.c.l., same basis .....lb. .25 - 27

Pentachlorophenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices.

Perborate, USP, tech., bbls., c.l., works..lb. .193 - —
l.c.l., works .....lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .1860- —
l.c.l., same basis.....lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms..lb. .44 - .45
powd., dms .....lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works..lb. .19 - .20¼
duohydrate, bgs., c.l., works. 100 lbs. 6.65 - —
l.c.l., works.....100 lbs. 7.05 - —
monobasic, anhyd., bgs., c.l., works .100 lbs. 8.03 - 8.30
l.c.l., works .....100 lbs. 8.45 - 8.70
tribasic, cryst., bgs., c.l., works, frt. equald..100 lbs. 4.05 - 5.30
l.c.l., same basis..100 lbs. 4.45 - 8.20

Sodium phosphates in bbls. 40c. higher than bgs.

Prussiate, yellow, bgs., 10-ton lots. lb. .13½- —
smaller lots.....lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald..100 lbs.10.00 -10.75
ferric, dms., 1,500-lb. lots. works..lb. .30 - —
smaller lots, works....lb. .31 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald.. 100 lbs. 7.50 - —
l.c.l., frt. equald..100 lbs. 7.90 - —
Salicylate, USP, dms.....lb. .63 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd. zone 1....100 lbs. 3.85 - 4.25
zone 2.....100 lbs. 4.11 - 4.51
zone 3.....100 lbs. 4.40 - 4.70
zone 4.....100 lbs. 5.11 - 5.50

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 96°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

bbls., c.l., works.....100 lbs. 2.45 - —
Sesquisilacate, anhy., dms., c.l., works..100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.30 - —
l.c.l., works .....100 lbs. 1.60 - 1.85
tanks, works.....ton.19.00 - —
52°, turbid., dms., c.l., works. 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.50 - 2.75
tanks, works.....ton.37.00 - —
solid, bgs., works.....ton.55.00 - —
Silicofluoride, bgs., c.l., works..lb. .070 - —
l.c.l., works.....lb. .075 - .079
Stannate, dms., works, frt. alld. E..lb. .660 - .716
Stearate tech., dms., works... lb. .43 - .44
USP, dms., works.....lb. .70 - .75

Sodium sulphanilate, bbls., works. lb. .22 - —
Sulphate, NF VII, dried, gran., dms..lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.25 - —
l.c.l., works, same basis. 100 lbs. 2.50 - 3.00
cryst. (see Glauber's salt).
rayon grd., bgs., c.l., works. ton.27.00 - —
l.c.l., works.....ton.33.00 - —
USP, cryst., fib. dms.....lb. .17½- .18
gran., fib. dms.....lb. .17½- .18
dlvd., Met. area.....ton.118.50 - —
Sulphide, flake, bbls., c.l., works, E., frt. equald.....ton.100.00 - —
l.c.l., same basis.....ton.108.00 - —
fused, bbls., c.l., works, E. frt. equald..ton.88.50 - —
l.c.l., same basis .....ton.98.50 - —
Sulphite anhyd., bgs., c.l., works. 100 lbs. 2.73 - —
l.c.l., same basis....100 lbs. 3.33 - 5.58
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 - —
l.c.l., same basis..100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works.....100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls.....lb. No prices
Sulphydrate, flake, 70-72%, dms., works, c.l...ton.115.00 - —
l.c.l., works.....ton.125.00 - —
liquid 34-40%, 100% basis, tanks, works ton100.00 -117.60
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03¼- —
l.c.l., works.....lb. .03¾- —
Thiosyanate, CP, dms.....lb. .55 - .65
tech., dms., works.....lb. .30 - —

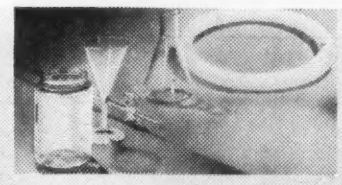
Sodium thiosulphate, NF, cryst., bbls..lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works....lb. .10½- —
5 tons, works.....lb. .10¾- —
1 ton or less, works.....lb. .11 - —
Trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld., E.....lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E lb. .44 - —
l.c.l., frt. adjusted, E..lb. .46 - —

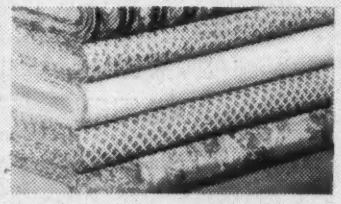
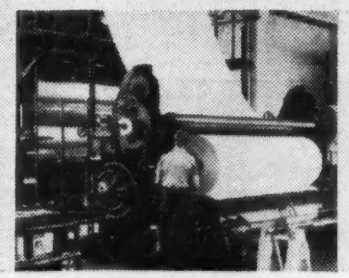
Prices West of the Rockies are 1¾c. per pound higher.

Tripolyphosphate, bgs., c.l., works, frt. equald.....100 lbs. 7.85 - —
l.c.l., same basis.....100 lbs. 8.25 - —
Tungstate, tech., kgs., dlvd. E lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd lb. .25½- —
l.c.l., same basis lb. .26 - —
Sodium sulphate, drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber ams., 1,000 lbs. or more, works lb. .28 - —
less than 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works..gal. .31 - .34
high-flash, tanks, works..gal. .31 - .34
petroleum, 100°F., tanks, Baytown, Tex..gal. .31 - —
Bayonne .....gal. .33 - —
150°F., flash, tanks, Baytown, Tex..gal. .31 - —

Sodium Hyposulphite—Spikenard Root

Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works..... lb. .37 - .39
Tristearate, fib. dms., 20,000 lbs. works lb. .33 - —
10,000 to 20,000 lbs., works lb. .35 - —
smaller lots, works .....lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton-lots to 5 tons, works lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .24½- —
ton lots, works lb. .25 - —
less ton lots, works . lb. .25¼- —
tanks, works ..... lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16 - —
ton lots, works lb. .16¾- —
less ton lots, works . lb. .17 - —
tanks, works ..... lb. .15 - —
Soybean meal, 41% bulk Decatur. ton.81.00 - —
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .25½- —
20,000 to 40,000 lbs., same basis lb. .25¾- —
100 to 20,000 lbs., same basis lb. .26¼- —
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis . lb. .0615- —
smaller lots same basis..lb. .0630- —
Sparteine sulphate, cns.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - 65
Spikenard root, bls.....lb. .32 - .43



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Para-dichlorobenzene
Ortho-dichlorobenzene
Monochlorobenzene
Methanol
Formaldehyde
Ammonium Chloride

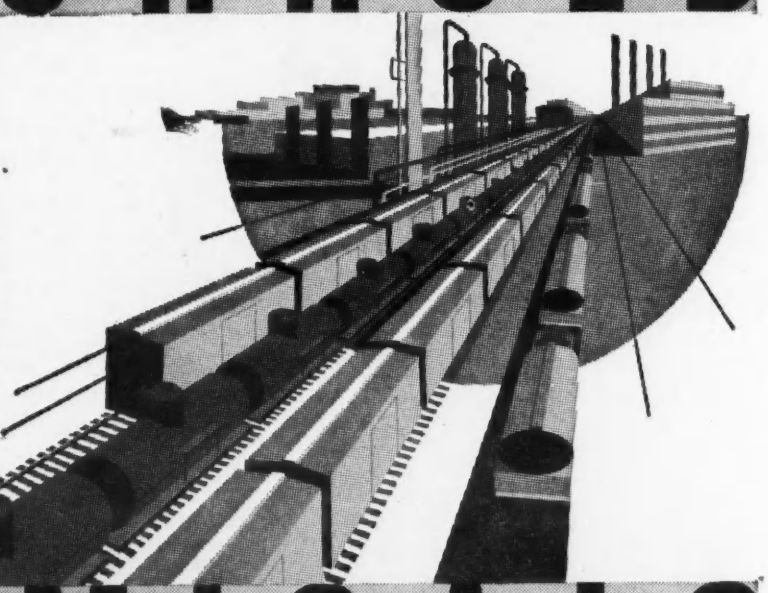
Spruce Extract—Timbo Root

Spruce extract liq. reg., tanks, works..lb. .01¾- —
powd. super bgs., c.l., works. lb. .05¼- —
l.c.l., works..lb. .05¾- —
Squaw vine leaves, bls..lb. .38 - .42
Squill red fortified powd., bbls. boxes..lb. 1.60 - —
white, bls..lb. .10 - .14
powd., bbls., bxs..lb. .16 - .20
St. Ignatius beans, bgs..lb. No stocks.
St. John's bread edible, bls..lb. .10 - .13
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y..100 lbs. 7.15 - —
l.c.l..100 lbs. 7.30 - —
powd., paper bgs., c.l..100 lbs. 7.27 - —
l.c.l..100 lbs. 7.42 - —
Prices for corn starch in cotton bags 25c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works..lb. .07 Nom.
Maine, bgs., c.l., works..lb. .10½ Nom.
l.c.l., spot..lb. .10 - .12
Rice, l.c.l., bgs..lb. .11 - .12
Wheat, bgs..lb. .0675- .0710
Stavesacre seed, bgs..lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls..lb. .28 - .30
Stoneroot, bls..lb. .07¼- .08
Storax, USP, cs..lb. 1.50 - 1.60
Stramonium leaves, bgs..lb. .16 - .18
Streptomycin, either hydrochloride or sulphate, bulk, 50-kilo lots or more..gram. .27 - —
unlabeled, 1-gram vials, 1 to 500,000 vials..vial. .30 - —
5-gram vials, 1 to 500,000 vials..vial. 1.32 - —

Strontium bromide, NF, cns., dms. lb. .77 - —
Carbonate, 92%, dms..lb. .20¼- .24¼
Chloride, tech., bbls..lb. .22 - .24
Chromate, bbls., works..lb. .46 - —
Iodide jars, 25-lb. lots..lb. 3.37 - —
Nitrate, bbls., c.l., works..lb. .1025- —
l.c.l., works..lb. .1125- —
Oxalate, bbls., works..lb. No prices.
Salicylate, NF, dms..lb. 1.65 - —
Sulphate, air floated, 90%, 325 mesh bgs., works..ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms., works..lb. 2.80 - 2.85
Strophanthin, NF, bots..oz.25.00 -25.50
Strophanthus seed, Komba, bgs..lb. 3.00 - 3.25
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs..oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs..oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works..lb. .23¼- —
tanks, works..lb. .21 - —
Styrolyl acetate, bots..lb. 1.50 - 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works..lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamine, dms..lb. 4.25 - 4.60
Sodium, dms..lb. 4.25 - 4.60
Sulphacetamide, fiber, 100-lb. dms., kilo. 9.25 - —
Sulphadiazin, USP, crystals, free flowing, dms..lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms..lb.10.60 -11.10
powder..lb.10.25 -10.75
Sulphadiazin-sodium, USP, dms..lb.11.25 -11.75
Sulphaguanidin, USP, dms..lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms..lb.10.65 -11.15
powder, dms..lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms..lb. 8.90 - 9.40
powder, dms..lb. 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms..lb. 1.40 - 1.60
microcrystals, dms..lb. 1.70 - 1.90
powder, dms..lb. 1.30 - 1.50
Sulphanilamidoquinoxaline veterinary, dms..lb. 8.00 - 8.25
Sulphapyridin, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms..lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing, dms..lb. 4.00 - 4.50
micro, crystals, 99.9%, not over 10 microns, dms..lb. 3.85 - 4.15
powder, dms..lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines..100 lbs. 2.05 - —
bbls., mines..100 lbs. 2.20 - —
lump, bgs., mines..100 lbs. 1.70 - —
bbls., mines..100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract. long ton.21.00 -22.00
f.o.b., vessels, Gulf ports, export..long ton.25.00 -27.50
domestic and Canada long ton.22.50 -23.50
refined, flowers, USP, bgs., mines. 100 lbs. 3.60 - —
bbls..100 lbs. 4.75 - —
flour, light, bgs., mines..100 lbs. 3.35 - —
bbls., mines..100 lbs. 4.25 - —

Sulphur, refined, lump, bgs., mines. 100 lbs. 2.90 - —
rolls, bgs., mines..100 lbs. 3.35 - —
bbls., mines..100 lbs. 3.80 - —
salt block, bgs., mines..100 lbs. 3.10 - —
virgin block, bbls., mines..100 lbs. 3.05 - —
rubbermakers, com'l, regular, bgs., mines..100 lbs. 2.25 - —
bbls., mines..100 lbs. 2.40 - —
98-100% passing through 325 mesh, bgs., mines..100 lbs. 2.25 - —
bbls., mines..100 lbs. 3.40 - —
refined, bgs., mines..100 lbs. 2.85 - —
bbls., mines..100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines..100 lbs. 2.45 - —
bbls., mines..100 lbs. 3.80 - —
10% pine tar, bgs., mines. 100 lbs. 3.65 - —
washed, NF, bot..lb. .11 - —
Sulphur dichloride, dms., c.l., works, frt. equald..lb. .03½- —
l.c.l., same basis..lb. .04¼- —
tankcars, same basis..lb. .03¾- —
liquid, com'l, cyls., works..lb. .09 - —
multi unit cars, works..lb. .0535- —
tanks, works..lb. .045 - —
refrigeration, cyls., l.c.l., dlvd. lb. .20 - .36
Monochloride, 55-gal. dms., c.l., frt. equald..lb. .03½- —
l.c.l., same basis..lb. .04¼- —
tanks, same basis..lb. .03¼- —
Sumac leaf, 28%, bgs., ex-dock. short-ton.149.00 Nom.
ground, same basis..ton.145.00 Nom.
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Balto..unit-ton. .810 - .877
Carteret, N. J..unit-ton. .82 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla.. unit-ton. .87 - —
Sweet basil, California, bgs..lb. 1.10 - 1.15
imported, bgs..lb. .60 - .62

REICHHOLD



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T

2,4,5-T, dms., c.l., works..lb. 1.60 - —
l.c.l., works..lb. 1.65 - —
Isopropyl ester dms. c.l., works. lb. 1.70 - —
l.c.l., works..lb. 1.75 - —
Talc, dom. ordinary, grd., Calif., bgs., c.l., works..ton.25.00 -35.00
Vermont off color, bgs., c.l., works..ton.14.00 - —
l.c.l., works..ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works..ton.25.00 -30.00
l.c.l..ton.28 00 -35.00
99.5%, 325 mesh, bgs., c.l., works..ton.27 00 - —
l.c.l., works..ton.30 00 -32.00
imp. Canadian, grd., bgs., c.l., mines..ton.15.25 -35.00
Tallow, edible, tanks, dlvd..lb. .08 Nom.
inedible, extra..lb. .05¼- —
fancy..lb. .05½- —
special..lb. .05 - —
No. 1..lb. .04⅜- —
sulphonated, 25%, dms., l.c.l..lb. .07 - .07½
50%, dms., .c.l..lb. .10 - .10½
Tamarind, W.I., bbls..lb. .12 - .14
Tankage, animal, feeding, 9-11% mon., bulk..unit-ton. 6.00 - —
Chicago..unit-ton. 6.50 - —
Tansy leaves bls..lb. .25 - .30
Tapioca flour, high grade, ex whse., bgs..lb. .08½- .09
medium grades, ex whse., bgs lb. .08 - .08¼
Java, ex whse., bgs..lb. .07½-Nom.
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .50 - —
l.c.l., same basis..gal. .52 - —
tanks, same basis..gal. .40 - —
25-28%, dms., c.l., same basis. gal. .56½- —
l.c.l., same basis..gal. .58½- —
tanks, same basis..gal. .46½- —
Tar acid oil, 50-53% dms., c.l., same basis..gal. .72½- —
l.c.l., same basis..gal. .74½- —
tanks, same basis..gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs..lb. .45 - .50
Leaves, bgs..lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .56 - .59
dms..lb. .57 - .60
USP, powd., bbls., dms., kgs..lb. .61 - .62
Terpin hydrate com'l bbls., c.l..lb. .24½- —
l.c.l..lb. .25 - .25¼
NF, cryst., fib. dms..lb. .70 - .75
powd., fib. dms..lb. .75 - .80
Terpineol, alpha (see A), commercial, dms., c.l., South..lb. .13½- —
l.c.l., South..lb. .14 - —
extra, dms..lb. .48 - .50
prime, dms..lb. .36 - .43
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l. works..lb. .25½- —
tanks, works..lb. .22 - —
Terpinyl acetate, extra, cns., dms..lb. .55 - .70
prime, dms..lb. .55 - .60
Propionate, dms..lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 1.90 - —
Propionate, USP, 100 gms., bots. gm. 1.90 - —
Tetrachloroethane, dms., works..lb. .12½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works..lb. .20½- .21½
smaller, dms., works..lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works..lb. .71 - —
l.c.l..lb. .72 - —
Pyrophosphate, 40%, cns., dms., dlvd..lb. .714 - —
Tetraethylenepentamine, dms., c.l., dlvd., E..lb. .57½- —
l.c.l., dlvd. E..lb. .58½- —
tanks, dlvd E..lb. .56 - —
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasadium pyrophosphate (see Sodium pyrophosphate).
Thalium metal, dlvd..lb.12.50 -15.00
Sulphate, 99%, bots., dlvd..lb.10.50 -13.00
Theobromine, fib. dms..lb. 5.75 - 6.00
Salicylate, fib. dms..lb. 5.17 - —
with sodium acetate, USP, dms. lb. 4.80 - —
Sodio-salicylate, fib. dms..lb. 4.05 - 4.10
Theophylline, anhydrous, or USP, 100-lb. dms..lb. 5.00 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms..kilo.160.00 - —
Mononitrate, USP, fib. dms..kilo.160.00 - —
Thiocarbanilide, dms..lb. .44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works..lb. 1.99¾- —
l.c.l., same basis..lb. 2.00 - —
Thiouracil, dms., works..lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works..lb. .43½- —
l.c.l., works..lb. .45½- —
Thorium nitrate, cs, works..lb. 3.60 - —
Threonine dextro laevo, bots., 1-kilo lots..kilo.700.00 - —
Thyme, French, bgs..lb. .21 - .22
Spanish, bls..lb. .08 - .08½
Thymol, fib. dms..lb. 3.60 - 3.75
Iodide, NF, dms..lb. 9.30 - 9.42
Timbo root (see Cube root).

Tin chloride, stannous, anhyd., dms. works lb. .98½ - .99½
Crystals, hydrous, bgs., bbls., works lb. .80¾ - —
Metal lb. 1.21½ - —
Oxide, dms lb. 1.23 - 1.24
Sulphate, stannous, bbls lb. 1.09 - 1.11
Tetrachloride, anhyd., dms., works. lb. .89 - .90
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
regular, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
ceramic, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
metallurgical, natural, granular, bgs., c.l., works lb. .04¼ - —
5-ton lots, works lb. .04½ - .05¼
milled, bgs., c.l., works lb. .04¼ - —
5-ton lots, works lb. .04¼ - .05½
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 - .23½
l.c.l., dlvd. E lb. .24 - .24½
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .08 - .08½

Titanium dioxide and pigment in bbls., ¼c. higher, Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.

Tetrachloride, tech., dms., c.l., works lb. .45½ - —
l.c.l., works lb. .48½ - .56½
tankcars, works lb. .44½ - —
Tolidin base, distilled, kgs lb. 1.30 - —
Tolu balsam, cns., dms lb. 4.85 - 5.65
Toluene (see Toluol).
Toluol coaltar industrial and nitration tanks, works:—
Bethlehem, Pa gal. .32 - —
Birmingham dist gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist gal. .32¾ - —
Geneva, Utah gal. .26 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y gal. .33 - —
Lone Star, Tex gal. .35 - —
Lorain, Ohio gal. .31 - —
Minequa, Colo gal. — - —
Philadelphia Pa gal. .33½ - —
Pittsburgh dist gal. .30 - —
Sparrow's Point, Md. gal. .32 - —
Syracuse, N. Y gal. .30½ - —
Terre Haute Ind gal. .33½ - —
Wyandotte, Mich gal. .34¼ - —
Youngstown, Ohio gal. .30½ - —
Petroleum, industrial, 2° tanks works:—
Albany, N. Y gal. .33 - —
Bayonne, N. J gal. .33 - —
Baytown, Tex gal. .31 - —
Chicago, Ill gal. .33 - —
Detroit, Mich gal. .33 - —
Philadelphia, Pa gal. .33 - —
Providence, R. I gal. .33 - —
Wood River, Ill gal. .33 - —
Tonga, 50%, bark and vine, bls lb. .75 - .80
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz lots, cns oz. .42 - —
Toxaphene, dms, c.l., works lb. .23 - —
truckloads, works lb. .23 - —
ton to truckloads, works lb. .26 - —
less than ton lots, works lb. .29 - —
Triacetin, dms., c.l., dlvd. E lb. .55 - —
l.c.l., dlvd. E lb. .56 - —
tanks, dlvd. E lb. .53½ - —
Tributyl citrate, tech., dms., c.l. lb. .40½ - —
l.c.l. lb. .41½ - —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .63½ - —
l.c.l., same basis lb. .64½ - —
smaller containers lb. .68½ - —
Tributylamine, dms., c.l., works, frt. alld. E. of Miss lb. .71¾ - —
l.c.l., same basis lb. .72¾ - —
tanks, same basis lb. .70 - —
Trichlorobenzene dms., c.l., works, frt. alld lb. .12½ - —
l.c.l., frt. alld lb. .13½ - —
tanks, frt. alld lb. .11 - —
Prices in the West 1¾c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .11½ - —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald lb. .11 - —
dlvd. E. lb. .12½ - —
l.c.l., works, frt. equald lb. .11½ - —
dlvd. E. lb. .13½ - —
tanks, works, frt. equald lb. .10 - —
dlvd. E. lb. .11 - —
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted. lb. 1.40 - 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd lb. .36¾ - —
l.c.l., dlvd lb. .37¾ - —
tanks, dlvd lb. .35 - —
petroleum, dms., c.l., dlvd lb. .36¾ - —
l.c.l., dlvd lb. .37¾ - —
tanks, dlvd lb. .35 - —
Triethanolamine dms., c.l., frt. alld. E lb. .26¼ - —
l.c.l., same basis lb. .27¼ - —
tanks, same basis lb. .24½ - —
Triethylamine dms., c.l., works, frt. alld. E lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45½ - —
Triethyl citrate, tech., dms., c.l. lb. .37½ - —
l.c.l. lb. .38½ - —
tanks lb. .36 - —
Phosphate dms., works, c.l. lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol dms., c.l., frt. alld., E lb. .23¼ - —
l.c.l., same basis lb. .24¼ - —
tanks, same basis lb. .21½ - —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½ - —
l.c.l., dlvd. E lb. .49½ - —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works. lb. .36½ - —
l.c.l., same basis lb. .39½ - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .37 - —
l.c.l., frt. equald lb. .38 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air floated, bgs., c.l., works. lb. .0173 - —
double grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Tripropyleneglycol, dms., c.l., frt. alld. lb. .26¼ - —
l.c.l., frt. alld lb. .27¼ - —
tanks, frt. alld lb. .24½ - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:80 dms., works lb. 5.00 - —
Tryptophane, dextro-laevo, fib. ctns. works kilo. 132.00 - 198.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 7.75 - —
Turmeric root, Alleppey, bgs lb. .10 - .10½
Haitian, bgs lb. .08½ - .09
Jamaica, bgs lb. .08½ - .09
Madras, bgs lb. .10 - .10½
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. 1.00 - 1.10

U

Urethane, USP. dms lb. 1.50 - —
Unicorn root, false (see Helonias root) True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs lb. 1.65 - —
Urea, dom., 46%, N bgs., c.l., wks. lb. .05½ - —
l.c.l., works lb. .06 - —
44% N, bgs., c.l., 30 tons, frt alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 142.00 - —
l.c.l., dlvd ton. 146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton. 120.00 - —
C and D grades, tankcars, same basis ton. 118.50 - —
37 grade, tankcars, same basis. ton. 147.50 - —
Uva ursi leaves, bls lb. .08 - .10

V

Valerian root, Belgian, NF, bls lb. .40 - .50
Valine, dextro-laevo, dms., works. lb. 21.00 - 27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton. 80.00 - 85.00
cups, 28-30% tannin, bgs., ex dock. ton. 65.00 - —
extract, powd., bgs., ex dock, duty extra lb. .09½ - —
Vanadium pentoxide, CP, bgs., ens, contract, wurks lb. 7.00 - —
tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins lb. 2.90 - 3.25
Mexican, cuts, tins lb. 3.50 - 3.75
whole, tins lb. 4.50 - 5.00
Tahiti, cs. lb. 2.40 - 2.50
Vanillin, ex eugenol, tins, 25 lbs. lb. 5.50 - 7.00
smaller lots lb. 5.55 - 7.25
ex guaiacol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25 lb. lots lb. 3.00 - —
smaller lots. tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .20¾ - —
l.c.l., works lb. .21¼ - —
tanks, works lb. .19¾ - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether divinyl).
Ethylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride, (see Trichloroethane).
Vinylpyridin, ret. dms., works lb. 1.65 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in natural vegetable oil, 400,000 to 1,000,000 D units per gm bots. lots of 100 billion USP units. 1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm 1,000,000 units. .17 - —
liquid, in oil, 1,000,000 A units per gm 1,000,000 units. .15 - —
natural, concentrates (see Oil, fishliver).
palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .15 - —
in oil, 1,000,000 A units. per gm 1,000,000 units. .15 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12} crystalline, gm. or 5 gm. vials gram. 350.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).

PURCHASING AGENT'S BUYING GUIDE

RIBOFLAVIN U.S.P.
and Riboflavin-5'-Phosphate Ester Compounds

Quality ➧ Roche Riboflavin . . . United States Pharmacopoeia (XIV)

Source ➧ HOFFMANN-LA ROCHE INC., VITAMIN DIVISION, NUtley 2-5000

Supply ➧ Manufactured by the tons. Samples available on request.

Special qualities ➧ Three U.S.P. types of Roche Riboflavin are available:
REGULAR—for tablets, capsules, powders, premixes.
SOLUTIONS TYPE—recommended for preparation of parenteral and other solutions. Less likely to crystallize from super-saturated solutions.
HI-SOL—Unusually high initial solubility increases degree of super-saturation. This may be transient with resulting precipitation.

Also available are:
Riboflavin—5'—Phosphate Sodium and Riboflavin—5'—Phosphate Diethanolamine. These types have extremely high degrees of solubility in water.

Packaging ➧ Packed in polyethylene bags in fibre drums in range of sizes as follows
REGULAR—available in 1 to 20 Kg.
SOLUTIONS TYPE—available in 1 to 10 Kg.
HI-SOL (Hygroscopic)—available in 100 and 500 gram glass bottles.
5'—PHOSPHATE ESTER COMPOUNDS—in polyethylene bags in fibre drums.
Smaller quantities in amber screw cap bottles.

CALL ROCHE FOR VITAMINS

Vitamin A acetate and palmitate synthetic
Ascorbic Acid Sodium Ascorbate Panthenol
Riboflavin Biotin Riboflavin-5'-Phosphate Sodium
Riboflavin-5'-Phosphate Diethanolamine
Thiamine hydrochloride Thiamine mononitrate
Niacin Niacinamide Pyridoxine hydrochloride
dl-alpha-Tocopherol unesterified and acetate

VITAMIN DIVISION
HOFFMANN-LA ROCHE INC.
Nutley 10, New Jersey NUtley 2-5000
In Canada: Hoffmann-La Roche, Ltd., Montreal, Que.
Pacific Coast: L. H. BUTCHER COMPANY, San Francisco, Los Angeles, Seattle, Portland, Salt Lake City

Vitamin D_2—Zinc Chloride

Vitamin D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gm. bots.....gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.75 - 1.80
Tree bark, bls.....lb. .75 - .90
Warfarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago..lb. 1.95 - —
25-49 lbs., same basis.....lb. 2.05 - —
5-24 lbs., cns., same basis..lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.105.00 - —
merchantable, bgs., ex dock ton.101.50 - —
extract, liquid 35% tannin, bbls., works lb. .11 - .11¼
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra. lb. .11¼- .11⅝
S. Africa, 62%, tannin, ex-dock, duty extra..lb. .11⅝- —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot.....lb. .55 Nom.
Bees, bleached, USP, bricks, cs.lb. .76 - .77
slabs, bgs.....lb. .75 - .76
crude, African, bgs.....lb. .49 - .51
Brazilian, bgs.....lb. .70 - .72
Central American, bgs....lb. .66 - .68
refined, yellow, bricks, cs....lb. .66 - .67
slabs, bgs.....lb. .65 - .66
Wax, candelilla, crude, bgs.....lb. .75 - .77
refined, bgs.....lb. .77 - .79
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. .85 Nom.
North Country, No. 2, bgs., ton lots..lb. .96 Nom.
No. 3, crude, bgs., ton lots..lb. .92 - .93
refined, bgs., ton lots.....lb. .96 - .98
yellow, No. 1, bgs., ton lots..lb. 1.20 - 1.21
No. 2.....lb. 1.18 - 1.19
Powdered carnauba price differentials same as powdered candelilla.
Esparto, African.....lb. .80 - .82
Japan, bgs.....lb. .32 - .35
Microcrystalline, 170°-175° m.p., ASTM, amber ctns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20,000 lbs., same basis..lb. .15 - —
170°-175° m.p., ASTM, black, ctns., 20,000 lbs., same basis..lb. .12½- —
Less than 20,000 lbs., same basis..lb. .13½- —
white, ctns., 20,000 lbs., same basis..lb. .25 - —
less than 20,000 lbs., same basis..lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis..lb. .16 - —
less than 20,000 lbs., same basis..lb. .17 - —
black, ctns., 20,000 lbs., same basis..lb. .14½- —
less than 20,000 lbs..lb. .15½- —
Wax, microcrystalline, 180°-185° m.p., ASTM, white, ctns., 20,000 lbs., same basis. lb. .27 - —
less than 20,000 lbs., same basis..lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
less than 20,000 lbs., same basis..lb. .21½- —
black, ctns., 20,000 lbs., same basis..lb. .19 - —
less than 20,000 lbs., same basis..lb. .20 - —
white, ctns., 20,000 lbs., same basis..lb. .33½- —
less than 20,000 lbs., same basis..lb. .34½- —
Montan, dom., refined, bgs.....lb. .31 - .32
German, crude, bgs.....lb. .14 - .15
Ouricury, ref., bgs.....lb. .80 - .82
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .27 - .29
cakes, cs.....lb. .28 - .30
Sugar cane, refined, dom., slabs, works..lb. .85 - —
spot.....lb. .87½- —
imp., bgs., N. Y.....lb. .43 - —
White lead (see Lead., white).
White pine bark, rossed, bls....lb. .18 - .20
White precipitate, USP, powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works..ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works.....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l.....ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l.....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls..lb. .06 - .07
thin, natural, bls.....lb. .17 - .19
rossed, bls.....lb. .19 - .22
Ginger (see Snake root, Canada).
Indigo root, bls.....lb. .30 - .31
Yam root, bls.....lb. .16 - .17
Witch hazel leaves, bls.....lb. .20 - .22
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.36.80 - —
60 mesh, bulk, c.l., same basis.ton.37.00 - —
l.c.l., same basis.....ton.42.00 -55.00
80-100 mesh, bulk, c.l., same basis. ton.45.00 -50.00
l.c.l., same basis.....ton.51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras), USP (see Lanolin).
Wormseed, American, bgs.....lb. .14 - .16
Levant, bgs.....lb. 4.25 - 4.50
Wormwood leaves, bls.....lb. .35 - .45

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald. lb. .193 - —
l.c.l., same basis.....lb. .196 - —
tanks, same basis.....lb. .18 - —
45°-47°C, dms., c.l., same basis. lb. .153 - —
l.c.l., same basis.....lb. .156 - —
tanks, same basis.....lb. .14 - —
fractions, over 7°C, b.r., except meta, dms., c.l., same basis. gal. 1.31 - —
l.c.l., same basis.....gal. 1.34 - —
tanks, same basis.....gal. 1.20 - —
meta fraction, over 7°C., dms., c.l., same basis..gal. 1.46 - —
l.c.l., same basis.....gal. 1.49 - —
tanks, same basis.....gal. 1.35 - —
Xylidins, mixed, dms.....lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa.....gal. .33 - —
Birmingham district...gal. .30¼- —
Chicago district.....gal. .33½- —
Cleveland district.....gal. .33 - —
Geneva, Utah.....gal. .25 - —
Hamilton, Ohio.....gal. .32 - —
Johnstown, Pa.....gal. .31 - —
Lackawanna, N. Y....gal. .33 - —
Lone Star, Tex.....gal. .35 - —
Lorain, Ohio.....gal. .31 - —
Minequa, Colo.....gal. .34 - —
Philadelphia, Pa.....gal. .33 - —
Pittsburgh district...gal. .30 - .33
Sparrows Point, Md...gal. .33 - —
Syracuse, N. Y.....gal. .30½- —
Terre Haute, Ind.....gal. .35 - —
Wyandotte, Mich.....gal. .34¼- —
Youngstown, O.....gal. .30½- —
Petroleum, indust., tanks, Albany, N. Y...gal. .33 - —
Bayonne, N J.....gal. .33 - —
Baytown, Tex.....gal. .31 - —
Chicago, Ill.....gal. .33 - —
Philadelphia, Pa....gal. .33 - —
Providence, R. I....gal. .33 - —
Wood River, Ill.....gal. .33 - —

Y

Yara vara, cns.....lb. 2.25 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .35 - —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd....lb. 1.91 - —
AAOT, bbls.....lb. 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies.lb. 3.20 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies..lb. 1.32 - —
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .32 - —
Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, 10 G, bbls., same basis as chrome..lb. 2.05 - 2.15
G, pigment, bbls.....lb. 1.91 - 2.05
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l....lb. .04½- —
l.c.l.....lb. .04⅝- —
Peruvian type, bgs., c.l...lb. .0165- —
pure, bgs., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .1025- —
Mercury oxide, bbls., 1,000 lbs lb. 4.15 - —
smaller, lots.....lb. 4.17 - —
Ocher American golden, bgs., works..lb. .01¼- .02¾
Zinc, (chromate) bbls., dlvd....lb. .27 - —
basic, dlvd.....lb. .30 - —
Yellow dock root, bls.....lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .28 - .30
Yohimbine hydrochloride, bots., tins. oz. 4.75 - 5.25

Z

Zein, bgs., 30,000 lbs. lots, works lb. .38 - —
1,000-lb. to 30,000-lb. lots, works lb. .40 - —
smaller lots, works.....lb. .43 - —
Zinc acetate tech. bbls. dms, works. lb. .26¾- .28½
NF VIII, dms.....lb. .53 - —
Borate, bgs., c.l., dlvd. E.....lb. .192 - —
l.c.l., dlvd. E.....lb. .202 - —
Carbonate, rectified, powd., dms. lb. .26 - —
tech. rubbermakers bgs, works. lb. .15½- .16½
precipitated, powd., dms lb. .26 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works.....100 lbs.10.00 - —
gran., fib., dms., c.l., works. 100 lbs.10.60 - —
l.c.l., works.....100 lbs.11.00 - —

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Zinc chloride, solution, 50%, dms., c.l., works	100 lbs.	4.75	—
l.c.l., works	100 lbs.	5.35	—
tanks, works	100 lbs.	4.10	—
NF, gran., dms	lb.	.42	—
Chromate (see Yellow zinc).			
Cyanide, kgs., works	lb.	.523	.542
Dust, bbls., c.l., works	lb.	.23	—
l.c.l., works	lb.	.24	—
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.21½	—
l.c.l.	lb.	.22	.37½
Iodide, NF, jars	lb.	4.92	—
Laurate, bbls	lb.	.45	.46
Metal, slabs, E. St. Louis	lb.	.19½	—
Naphthenate, liquid, 8% Zn, frt. alld.	lb.	.23½	—
10% Zn, dms., frt. alld	lb.	.28½	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., dlvd	lb.	.176	—
l.c.l., dlvd	lb.	.186	—
American process, com'l, lead-free, bgs., c.l., dlvd	lb.	.176	—
l.c.l., dlvd	lb.	.186	—
American process, com'l, leaded 35%, bgs., c.l., dlvd	lb.	.1815	—
l.c.l., dlvd	lb.	.1915	—
50%, bgs., c.l., dlvd	lb.	.1835	—
l.c.l., dlvd	lb.	.1935	—
French process, com'l, green seal, bgs., c.l., dlvd	lb.	.1935	—
l.c.l., dlvd	lb.	.2035	—
red seal, bgs., c.l., dlvd.	lb.	.1885	—
l.c.l., dlvd	lb.	.1985	—
white, seal, bgs., c.l., dlvd	lb.	.1985	—
l.c.l., dlvd	lb.	.2085	—
USP, ctns., c.l., dlvd	lb.	.2085	—
l.c.l. dlvd	lb.	.2185	—
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.			
Phenolsulphonate, NF, gran., dms.	lb.	.39	—
powd., dms	lb.	.42	—
Resinate precip., dms., frt. alld.	lb.	.26	—
Silicofluoride, bbls., works	lb.	.13	.14
Stearate, tech., USP, ctns., c.l.	lb.	.37	—
ton, lots	lb.	.36	—
less ton lots	lb.	.39	—
Sulphate cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	7.30	—
l.c.l., same basis	100 lbs.	7.70	—
flake, 25½%, Zn, bgs., c.l., works	100 lbs.	6.55	—
l.c.l., works	100 lbs.	6.90	—
powdered, 36% Zn, bgs., c.l., frt. alld	100 lbs.	9.95	-10.45
l.c.l. same basis	100 lbs.	10.70	-11.20
Zinc sulphate in bbls., 40c higher.			
USP, gran., dms	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd	lb.	.2530	—
fluorescent, fib., dms., less than 1,000 lbs., works	lb.	1.10	- 1.90
phosphorescent fib., dms., less than 1,000 lb. lots, works.	lb.	1.85	- 2.50
Undecylenate, dms	lb.	2.25	- 2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.05	—
l.c.l., works	100 lbs.	9.45	—
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works	lb.	2.10	- 2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1360
l.c.l., same basis	lb.	.1220	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½	—
l.c.l.	lb.	.26	.41½
normal, dms., l.c.l., works	lb.	.52	—
Zircon, (G), granular, bgs., c.l., works	lb.	.03⅛	—
5 tons to c.l., works	lb.	.03⅜	—
1 ton to 9,999 lbs., works	lb.	.03⅜	—
500 lbs. to 1,999 lbs., works.	lb.	.04	—
less than 500 lbs., works	lb.	.06½	—
milled, bgs., c.l., works	lb.	.04⅛	—
5 tons to c.l., works	lb.	.04⅜	—
1 ton to 9,999 lbs., works	lb.	.04⅜	—
500 lbs. to 1,999 lbs., works.	lb.	.05	—
less than 500 lbs., works	lb.	.07½	—
Zircon (G) in barrels, ¼c. higher.			
Zirconium acetate 13% sol ZrO., c.l., 30,000 lbs., minimum	works lb.	.23	—
Carbonate basic, cake bbls.,	works lb	No prices.	
Hydride, cns., works	lb.	7.50	-10.00
Nitrate, dms., ex whse	lb.	4.50	- 7.00
Oxide 98½-99% white grd., bbls. or bgs., works	lb.	1.50	—
lump electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton to 9,999 lbs., works	lb.	.45	—
500 lbs. to 1,999 lbs., works	lb.	.45½	—
less than 500 lbs., works	lb.	.48	—
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton to 9,999 lbs., works	lb.	.60	—
500 lbs. to 1,999 lbs., works	lb.	.60½	—
less than 500 lbs., works	lb.	.63	—
Oxychloride, cryst., ctns., 5 tons, works	lb.	.32¼	—

Superphosphate in Bulk

—Continued from page 3

98c.; East St. Louis, 98c.; Fulton, 98c.; Monsanto, 98c., and Streator, 98c.

Indiana:—Fort Wayne, 98c.; Hammond, 98c.; Hartsdale, 98c.; Indianapolis, 98c.; New Albany, 98c., and Shererville, 98c.

Iowa:—Mason City, $1.16, and Perry, $1.16.

Kentucky:—Louisville, 98c., and Winchester, 98c.

Louisiana:—Harvey, 89c.; Lake Charles, 94c.; New Orleans, 89c., and Shreveport, $1.03.

Maine:—Searsport, $1.03.

Maryland:—Baltimore, 86c., and Hagerstown, 87c.

Massachusetts:—Lowell, 99c.; North Weymouth, 99c., and Woburn, 99c.

Michigan:—Detroit, 98c.

Mississippi:—Clarksdale, 95c.; Greenville, 95c.; Gulfport, 91c.; Hattiesburg, 95c.; Jackson, 95c., and Tupelo, 95c.

Missouri:—Atlas, $1.06; Columbia, $1.08; Kansas City, $1.08; St. Joseph, $1.08; Springfield, $1.06, and Webb City, $1.06.

New Jersey:—Carteret, 87c., and Paulsboro, 87c.

New York:—Buffalo, $1.03.

North Carolina:—Charlotte, 85c.; Durham, 87c.; Greensboro, 87c.; Laurinburg, 85c.; Selma, 87c.; Wadesboro, 85c.; Wilmington, 81c., and Wilson, 87c.

Ohio:—Cincinnati, 98c.; Cleveland, 98c.; Columbus, 98c.; Lockland, 98c.; Sandusky, 98c.; Silica, 98c.; Toledo, 98c., and Washington Court House, 98c.

Oklahoma:—Tulsa, $1.03.

Pennsylvania:—Philadelphia, 87c.

South Carolina:—Anderson, 85c.; Charleston, 80c.; Columbia, 85c.; Greenville, 85c.; Hartsville, 85c.; Lancaster, 85c., and Spartanburg, 85c.

Tennessee:—Chattanooga, 90c.; Greenville, 90c.; Memphis, 95c.; Mount Pleasant, 90c.; Nashville, 90c., and Wales, 90c.

Texas:—Dallas, $1.03; Fort Worth, $1.03; Houston, 95c.; Pasadena, 95c., and Sulphur Springs, $1.03.

Utah:—Midville, $1.28.

Virginia:—Alexandria, 86c.; Lynchburg, 87c.; Norfolk, 85c.; Portsmouth, 85c., and Richmond, 87c.

Washington:—Tacoma, $1.53.

Wisconsin:—Green Bay, [illegible]; Madison, 98c., and Prairie du Chien, $1.08.

In the case of granulated ordinary superphosphate, the ceilings are the same as those above for the pulverized, plus $1.30 a ton.

Triple Superphosphate Prices

Ceiling prices for pulverized triple superphosphate are fixed on a state-wide basis, per unit of APA, as follows:—Alabama, 95 cents; Florida, 91 cents; New Jersey, $1.20; South Carolina, $1; Tennessee, $1.11. Ceiling price in Montana is determined on a per ton basis, rather than an APA basis. Ceiling price is $57 per ton for bulk triple superphosphate guaranteed to contain not less than 42 percent APA delivered in carload lots with freight allowed up to and including, but not exceeding, $11 per ton.

In the case of granulated triple superphosphate, the ceilings are the same as those above for pulverized, plus $1.30 a ton.

When the regulation went into effect last Saturday, it automatically superseded GCPR and CPR 22 with respect to bulk superphosphate sales to fertilizer manufacturers or to the United States. Sales of imported superphosphate are covered by CPR 31. Sales of superphosphate for export and export sales of superphosphate are covered by CPR 61. Sales of superphosphate by manufacturers in Puerto Rico are covered by CPR 72. All other sales of superphosphate in the United States, such as sales for resale, and sales to the ultimate consumer (except the United States) are covered by either GCPR or CPR 22.

The regulation makes exceptions to take care of unusual situations at individual points in order to avoid inequities. In the Rocky Mountain and Pacific Coast areas, where GCPR ceilings were above total production costs, the new ceilings are set at the GCPR level in recognition of the peculiar transportation and production problems there.

Some Areas Not Covered

No ceilings are established for production points from which OPS survey returns were incomplete or insufficient to determine a ceiling price. Producers at these points are required to apply to OPS for ceiling prices, furnishing information basically similar to that used in determining the dollars-and-cents ceilings in the regulation. Applications for the establishment of ceiling prices for double superphosphate are also required, and the same standards will be followed in establishing such ceilings.

Ordinary superphosphate and triple superphosphate are generally sold on a run-of-the-pile basis. In some instances, producers guarantee the product as containing a flat percentage APA, and effect this percentage either by adding the requisite quantity of triple superphosphate or lowering the APA content by the addition of fillers.

Flattening Charges Procedure

This process is known as flattening. The regulation provides that, if a producer had a flattening charge in effect during the period December 19, 1950, to January 25, 1951, he may make this charge after filing with OPS and receiving a return postal receipt, until the director of OPS notifies the producer of a disapproval of such charge or requests further information. If a producer did not have a flattening charge in effect during the period, application for the establishment of such a charge must be made to OPS, rubber, chemicals and drugs division, Washington 25, D. C.

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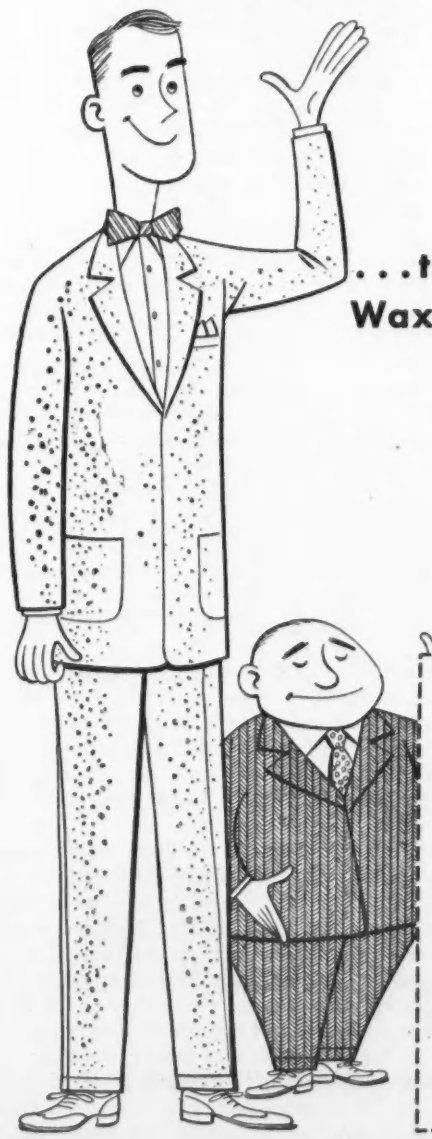
8 Fabric Treating
9 Flax Packings
10 Food Packaging
11 Hard Surface Floor Covering
12 Insulating Materials
13 Leather Belting
14 Leather Finishes and Dressings
15 Leather Packing
16 Lubricant for Ironers and Presses
17 Lubricant for Thread and Cord
18 Matches
19 Mold Lubrication
20 Paper Coatings
21 Paper Impregnating
22 Paper Sizings
23 Phonograph Records
24 Polishes
25 Printing Inks
26 Protective Coatings
27 Rust Preventives
28 Self-Polishing Floor Wax
29 Sizing Materials
30 Soaps
31 Starches
32 Textile Finishes
33 Transformers
34 Water-Wax Emulsions
35 Wire and Cable Insulation



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It Is Up to the Public Again

As he looks at the steadily accumulating confusion and confounding of everything connected with the scrambled employment relations of the steel industry, the recently retreating chief of defense mobolization certainly can congratulate himself on getting out when he did.

If the lower house of congress follows the senate in its taking over of the determining and penalizing functions of the judicial branch of the government, the mess will be back where it was at the end of 1951—and in much worse shape.

The legality of the presidential seizure of the steel industry is a question for the courts. A thousand and one self-constituted tribunals have taken it up and many have decided it. The United States Senate is in the latter group, having at least implied a finding of illegality in the action because it has imposed upon the executive branch of the government a penalizing fine of the sum that would be required to finance governmental operation of the steel industry.

Where that sort of determining will leave the matter of essential production of steel, nobody has said. What it will do to the WSB and OPS conflict on compensation cannot even be guessed.

The inevitability of the steel seizure should have been clear throughout the past four months. What else was there to be done? Of course, it was dictatorial and autocratic—but, again, what was the alternative, if steel was to be produced?

Some politicomists are declaring that the matter should have been handled according to specific law, implying, in a way, that the providing of such law by congress should have been awaited: there was no such law at hand; those which point in the direction of the problem fall short of reaching it with any means of practicable solution, even if they had been applied—and there is the big problem—what to do when the agencies or individuals involved as administrators refuse to make use of such statutory processes as are available. Even a good law—and the so-called "labor laws" are not exactly that—will avail nothing if it is not used.

Now that the steel mess has been started back over its winding road, the Secretary of Commerce whose being thrust into the driver's seat of governmental operation of the industry followed shortly upon his making an address on "Where Are We Going," has put on the brakes and climbed down, asking the man really most concerned, the Director of Economic Stabilization, to take over. As boss of the price-stabilizer and the wage-stabilizer, the director should be in position to tell the two to dig up all relevant factual data and, interpreting them with the appropriate impartiality, reconcile their divergent views on who should get what and why.

That, of course would straighten out but one of the many tangles in the mess. The stabilization director has no authority over the labor board; so its dicta would continue to present an impassable morass between those who boss the steel laborers and those who boss the rest of the business. So—will that long-threatened steel strike soon fall upon the nation? It is too much to expect congress in this pre-election period to provide specific, statutory remedies for the disturbances in human relations now dealt with by means of weapons (the strike is always referred to by labor "leaders" as a weapon), which is not the sort of thing that should be used by supposedly civilized human beings in disposing of their grievances—without settling them.

With little hope of the matter's getting the attention which it deserves from the public and from those who are in position to guard the welfare of the public, there is repeated here what was said on this same subject in these columns sixteen weeks ago:—"There is a better substitute for the strike than that offered by any measure of nationalization of the affected industry. The way lies through impartial adjudication of all employment differences—not matters of pay alone—on the basis of practical economic factual data. The public should demand the prompt providing of a statutory basis for the consideration of such differences in that manner [by] an impartial, nonpartisan high court of properly qualified practical economists . . . Who know how to evaluate facts and are not afraid to do so."

The public, which must pay for what comes out of every disruption of industrial employment relations, should demand of its legislators a guaranty that it will get its money's worth. As was said here January 7, 1952, the public must act.

The Service Motive

Somewhat in the nature of a prelude to the fortieth annual meeting of the American Drug Manufacturers Association, in session this week, the president of the association, Carleton H. Palmer, recently addressed to its members an inspirational and appreciative message having to do with the importance and desirability of service and self-restraint in the motivation of business policies and practices.

Because of a belief that why a thing is done is far more contributory than what is done to the improvement of the ecologic relations of any business, it is felt here that Mr. Palmer's message deserves and should be given the widest possible circulation in all business circles.

Here it is:—

"The second Sunday in Lent, I found myself at St. Patrick's Cathedral. As a good 'black Protestant,' it is extraordinary to find me in any church—but I think I can honestly say I have gotten as much out of St. Patrick's as I ever have out of the Protestant or the Congregational sermons to which I have been privileged to listen. On this occasion, the sermon hit the mark squarely, as far as I was concerned. The subject was 'motive,' particularly with respect to the so-called 'virtues' of life. The spirit that makes us do things is as important as the actual doing of them. The man who gives up smoking for Lent and then becomes disagreeable to everybody with whom he comes in contact has accomplished nothing, either in virtue or in self-sacrifice.

"Whether it be Lent or not, all of us have occasions when we must exercise self-restraint or when we must deny ourselves certain privileges, and as I thought over the sermon I was reminded of an example of an unselfish motive that had prompted a positive action with somewhat difficult self-restraint. One of the truly extraordinary experiences in life has come to me through my membership in the A.D.M.A. Here is a body of individualists—individualists to the core—and yet I have found in them a group of men willing to cooperate with one another and with government for the interests of medicine as a whole and the interests of pharmacy as a profession. Its members have exercised the self-restraint necessary to bring about good regulation even though as individual companies they might, with real justice, believe that no great amount of regulation was required.

"The same general principles apply in every field—one has to take an interest in the other fellow. If he is not quite so well managed, if he is not quite so strong, if he is not so intelligent in the conduct of his affairs, one has to take some interest in him if the public is not to suffer. That is fundamentally good business—and good government.

"Some years ago, I was enroute to Washington to attend a dinner being given by the late President Roosevelt. It was shortly after the time when the banks were forcibly closed by order of the President, then reopened, and the Federal deposit insurance act passed. On the same train were several banking friends of mine and we found ourselves in a heated discussion of the new regulation. It was pointed out vigorously by my friends that their banks were in such fine shape that they did not have to close, and they felt extremely irritated to be ordered to close. I sympathized with them and I felt they had a real cause for complaint but it seemed to me, in the interests of all concerned, it was better to close all banks than to have only the exceptional bank open. I may have been wrong in this conclusion, but that seemed right to me. Then we got on the subject of the new act—an act designed to protect the small and the weak bank at the expense of the strong by making the strong the coinsurer of the weak bank. This was outright injustice, according to my banking friends. Why should they be penalized by banks that did not have any right to be in business?

"In our industry we have had many similar experiences in the conduct of our affairs with the Food and Drug Administration. Sometimes it has been argued that the companies belonging to this association are so well run that they really need very little governmental control. I think, by and large, that that is true. Without government interference, we attempt and do in a very careful manner the control work that is necessary to insure the finest products.

"On the other hand, in the interest of the public and the professions—both medical and pharmaceutical, and the manufacturers, I think we have to agree that the practice of pharmacy, whether in the manufacturing or the distributing field, has reached an all-time high by cooperating with the government in proper regulation. I think, by and large, we have done this with goodwill. This is due, in my opinion, to an appreciation of our responsibilities and to proper motivation—the desire is there to be of service. When there is such a motive, there is little difficulty in attaining the objective.

"I am confident that every member of the A.D.M.A. will continue to be activated by this kind of motive—the motive to be of real service. For this reason, it is a particular honor to be associated with this organization. I am proud to have had the privilege of being its president."

Washington Talks

—*Continued from page 5*

duties collected on imported merchandise, the refund usually being made because of use of the merchandise in the manufacture of goods in the United States which subsequently are exported. Similar refunds of internal revenue taxes are authorized in the case of flavoring extracts and medicinal and toilet preparations manufactured with the use of domestic tax-paid alcohol, and then exported.

Plastics Packaging

The volume of business for manufacturers and converters of flexible plastic containers has tapered off in recent months, due largely to a liquidation of inventories. This liquidation is now said to be nearing completion and improved conditions are contemplated. Broadly speakly, production in the industry is said to be running at about 70 percent of capacity.

As to the raw materials outlook, NPA notes that although cellophane is currently in free supply, there is a likelihood of a rapid reversal of this trend, with a definite increase in demand such as occurred in the last half of 1949. The cellophane manufacturers are now accumulating inventories of cellophane to provide a cushion to ease the impact of any sudden demand.

Polyethylene production is now less than 50 percent of current demand, but an increase in production facilities is coming in and an easing of the situation may be expected by the third quarter of the year. Removal of present controls, however, is not contemplated until several months of more liberal supply have been experienced. Other plastic film for packaging such as pliofilm, acetate and vinyls are sufficient to meet the demand.

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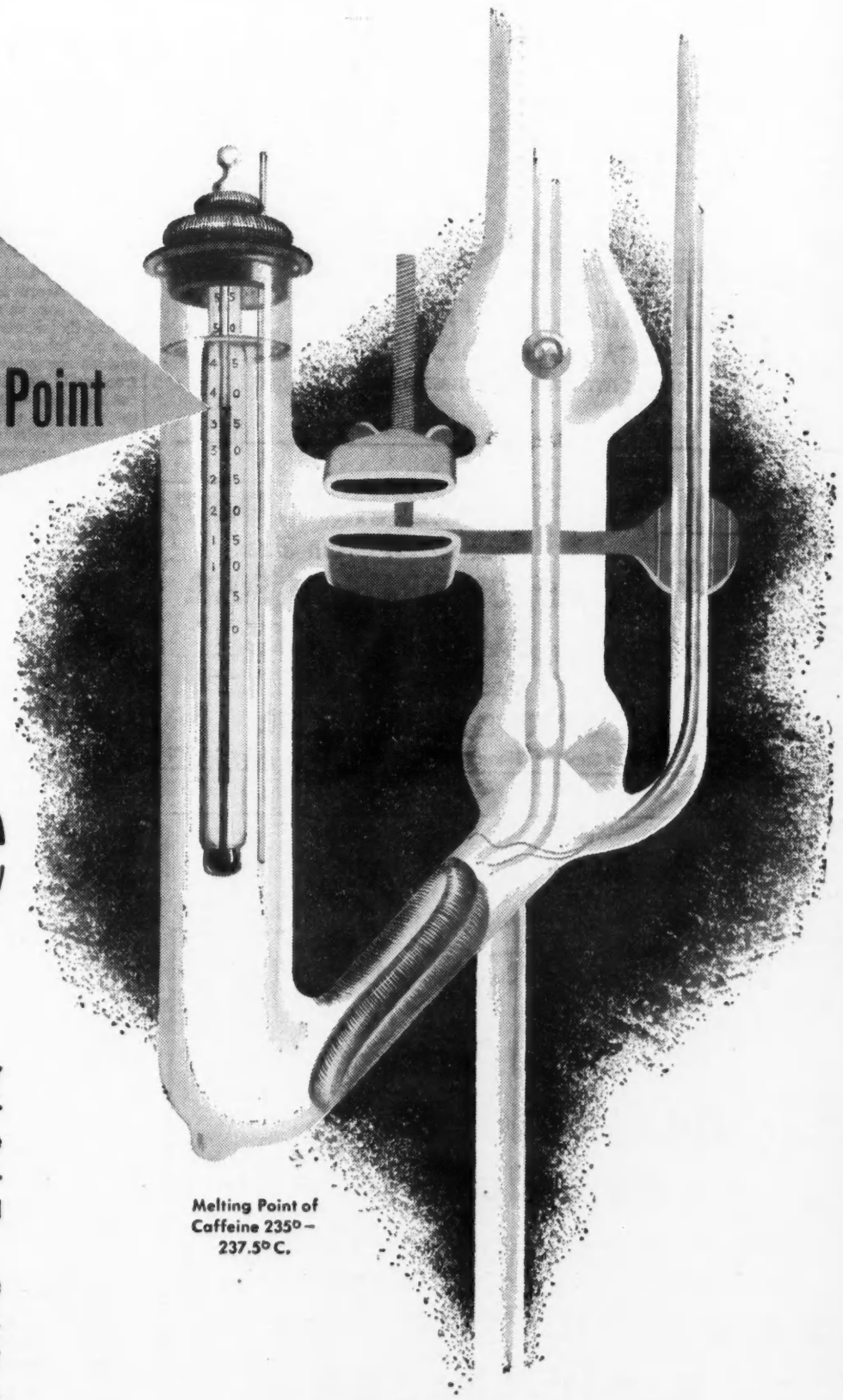

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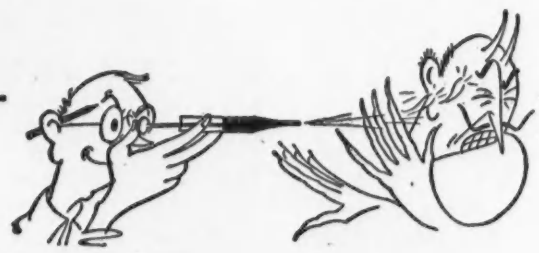

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Heavy Chemicals

Quicksilver continued to decline in price last week with trading slow and no important expansion in consuming demand. OPS has set uniform price ceilings for nickel anodes and for platinum. In both cases the action was taken to eliminate ceiling price distortions permitted under former ceiling price regulations. The order also sets ceiling prices for impure platinum, scrap, ores and concentrates, conversion and manufacturing alloys but does not cover platinum jewelry. Overall zinc output is expected to be larger this year, according to producers. Refined copper production in March was at the lowest level for any of the first three months. RFC appeared confident that the offer made on tin to the Bolivian tin producers would soon be accepted.

Sulphuric acid continued readily available and improvement was reported in the outlook for sulphur supplies. It was stated that substantial stocks of sulphur ore are being brought into production by various companies in the U. S. and other free world nations. There was plenty of caustic soda offered for immediate and there was no scarcity of soda ash. Producers of chlorine are either even with contract shipments or slightly behind. Withdrawals, however, have not averaged full and the slack has permitted occasional spot offerings of tankcars. Agricultural inquiry for copper sulphate has lagged a bit without easing the supply position to any appreciable extent. There seemed to be no severe shortage of the other copper based chemicals. The phosphates hold a comfortable supply condition and so do the phosphorus compounds. Spotty improvement in demand for potassium carbonate was noted for glass plant use. NPA appears to have dropped the proposal to place hydrofluoric acid under allocation control because the scarcity of fluorspar is not as great as formerly expected.

Paper production based on a percentage of six-day capacity was 90.6 percent for the week ending April 19, according to the American Paper and Pulp Association. This compared with 91.7R in the preceding week and 104.3 for the corresponding week in 1951.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census.

Acrylonitrile—Demand has been sustained at a level to prevent excess stocks. In producing quarters it was stated that small lots of drums are available for research work but that a round quantity would have to be given careful consideration. Unlike most other chemicals, there has been no apparent easement in demand. The carlot price in drums has remained at 44½c. per pound and at 45c. to 47c. for l.c.l. The tankcar price is 43c. per pound, all f.o.b. the works.

Ammonia, Anhydrous—No indication of easement in the supply position could be noted. It appeared as though increased production is being readily absorbed through contract channels. The agricultural demand has been exceedingly heavy this season.

Bleaching Powder — Government requirements have continued to take care of the major part of current production. It was stated difficulty in securing this material since the Korean war has resulted in many former consumers shifting to other chemicals as a substitute.

Carbon Bisulphide — Relaxation of demand from rayon mills has allowed the supply position to improve and the stringency noted a few weeks back has materially lessened.

Chlorine—According to producers, shipments are either flush with contract schedules or slightly behind. When deliveries have been deferred, tankcars have been available in the spot market and have met with prompt disposal. The supply situation, however, is appreciably improved over that current at the beginning of the year.

Cobalt Sulphate — January production was placed at 74,450 pounds gross weight by the Bureau of Mines. Shipments in January were 64,890 pounds and stocks at the end of the month amounted to 69,978 pounds. Total production in 1951 was 675,025 pounds gross weight.

Copper Chloride—No unusual activity at present. Demand from dye industry slowed down appreciably. Anhydrous

Market Trends

Prices Advanced
None

Prices Reduced
Quicksilver, $4 per flask.

Comparative Price Indexes

General Chemicals
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
249.2	249.2	249.2	223.4	244.9

Acids
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
124.1	124.1	124.1	121.9	126.1

(For Current Prices see Page 9)

available at 34½c. per pound and crystals at 22¾c. f.o.b. the works.

Copper Sulphate—Buying interest for agricultural use still relatively slow after a buying spurt that lasted through most of March. Industrial demand fairly well sustained. Export inquiry active from Europe and South America. Spot supply definitely tight with May-June shipments available at price time of shipment.

Lime—A new high record of lime production in the United States was made in 1950, according to a report just issued by the Bureau of Mines. Sales totaled 7,478,416 tons an increase of 18 percent over 1949 and 3 percent greater than the record output of 1948. Of the total sales 75 percent were in the form of quicklime and 25 percent hydrated lime. Ohio was the largest seller at 2,142,344 tons, Pennsylvania was second with 1,086,451 tons and Missouri third with 1,035,176 tons. The steel industry was the largest consumer and used 1,132,073 tons. Paper mills were second and took 617,956 tons and 566,727 tons were used in water purification.

Nickel Sulphate — Supply conditions have not improved and demand is still running ahead of supply. This situation has been brought about because not enough metal is being allocated to increase production. Facilities are ample to increase output if sufficient metal is made available.

Potash Caustic—No important improvement could be noted in the extent of consuming inquiries. At this time last year the supply situation was tight, with shipments being made direct from production. At present, producers have stocks and can offer immediate shipments of the liquid and dry forms.

Potassium Carbonate—Spotty improvement was reported in the demand from glass plants. Stocks are not short and requirements are being covered without difficulty. Immediate shipments were available at the close of the week.

Potassium Chlorate — Current demand is not urgent and prompt shipments continued available at former prices. Match factories are not eager to keep inventories much above working levels. Perchlorate is definitely scarce for civilian use as the government is taking the major part of production.

Soda Ash—Consumers are not finding stocks a problem at present. Production has kept the market well supplied and immediate on future shipments of light and dense ash have been offered by producers. Contract withdrawals are not averaging full and reflect the slowdown in activity in consuming industries. The outlook appears uncertain with no immediate sign of permanent recovery in the consuming trades.

Soda Caustic—Depression in the textile industry is fully reflected in the demand from that source. It was stated that the best movement of caustic at present is to the petroleum refineries. Both liquid and dry forms have continued readily obtainable for prompt shipment, and stocks have remained ample to meet all requirements.

Haiti's imports of caustic soda have averaged 103,000 pounds annually in the past four years. A sugar mill is the principal consumer. Pharmacies and the carbonated-beverage industry use the remainder. Imports of soda ash are small. The product is used chiefly by the sugar mill and laundry and cleaning establishments.

Sodium Hypochlorite—Production of 15 percent available chlorine in January amounted to 25,722 tons, compared with a revised total of 18,050 in the preceding month.

Sodium Phosphate — Tetra output in January was 5,233 tons, compared with 6,068 in December and 7,160 tons in January, 1951. Production of acid pyro in January was 1,076 tons, against 896 in the

For Late Market Developments, See Page 4

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preceding month and 926 in January, 1951. The tripoly output in January was 25,644 tons, compared with 29,088 in December and 22,073 tons in January, 1951.

Sulphur—Mine shipments of native sulphur during February amounted to 406,955 long tons, against 382,497 in the preceding month, according to the Bureau of Mines. Apparent sales amounted to 380,124 long tons in February, compared with 420,089 in January. Recovered sulphur shipments in February were 9,281 long tons, against 7,880 in January, and apparent sales in February totaled 9,568 long tons.

A report from Calgary states that a large oil company produced in February the first sulphur obtained on a commercial scale in the Dominion from waste natural gases. Output is expected to be approximately 9,000 tons of elemental sulphur annually at the present rate of gas production, but will be greater as the market for gas increases.

Acids

Formic—Demand relatively slow at present and producers have stocks adequate to meet current requirements. Small lot sales are about the best that can be reported.

Hydrofluoric—According to Washington advices, NPA has dropped the proposal to place this acid under allocation control. It has been found there is not as great a shortage of the basic material, fluorspar, as had been expected.

Hydrofluosilicic—Producers are in a position to satisfy requirements which are not of an urgent character at present. Consumers are not inclined to buy in excess of actual wants.

Muriatic—Supplies have continued somewhat above current requirements and immediate shipments have remained readily available. The combined movement, while fair, has not been of sufficient dimensions to tighten the market position.

Nitric—Prices have held steady with demand broad enough to prevent much excess in stocks. Spot material is commanding more attention than futures at present.

Oxalic—Activity has continued along spotty lines with combined sales not of impressive dimensions. Consumers have shown no disposition to build up inventories at present.

Sulphuric—Supplies have loosened up materially after the market passed through a long period of stringency. It was stated that production has leveled off demand and left stocks available for immediate shipment.

Average annual imports of sulphuric acid into Haiti from the United States have been about 44,000 tons annually since 1948, but they increased to 121,500 tons in 1951. Sulphuric acid is used principally in batteries and by various laboratories, including those in hospitals, medical and dental schools, and the public health department, and by the agricultural experiment station at Damien.

Nonferrous Metals

Cobalt—Bureau of Mines states that consumption of cobalt by industrial consumers was 834,814 pounds in January, an increase of 5 percent over December. The largest single use for cobalt in January was for cobalt-chromium-tungsten-molybdenum alloys, which accounted for 56 percent of the total cobalt consumed and utilized 8 percent more than in December. The second largest use was for magnet alloys, which accounted for 18 percent of the total cobalt consumed but utilized 0.5 percent less than in December. Less cobalt was also used in high-speed steel and ground-coat frit. These losses, however, were offset by greater usage of cobalt in low cobalt-alloy steels, alloy hardfacing rods, cemented carbides, and pigments. Imports of cobalt into the United States were 3 times greater in January than in December. Receipts of metal were 2.5 times larger but imports of oxide were only 2 percent greater. Imports of white alloy (crude) were 293,610 pounds (cobalt content) in January compared with none in December.

Copper—Refined production for March in the United States was at the lowest level for the first quarter of 1952, according to the Copper Institute. The total amounted to 94,563 tons, compared with 95,979 in the preceding month. Deliveries to fabricators in March were 112,625 tons, against 104,795 in December. Refined stocks on March 31 amounted to 58,487 tons, compared with 59,747 on February 29. Daily average production during March was 3,633 tons against 3,614 in

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February and a daily average of 3,747 tons over 1951.

Quicksilver—Priced lower last week with consumer demand showing no important improvement. Sales of light volume were reported at $206 per flask on spot with sellers' views ranging upward to $211. The goal set by the Defense Production Administration calls for 60,500 flasks in 1952. This is materially below the supply available in 1950 of 65,099. Consequently, D.P.A. did not authorize the issuance of certificates of necessity and other Government aids to reach the goal.

San Francisco.—Metal quotations remained at $212 during the past week with inquiry light and the market tone generally quiet.

Platinum—Ceiling prices for platinum and platinum products based on a uniform value of $93 a troy ounce for commercial pure platinum were fixed by the Office of Price Stabilization. This is the current GCPR price for the dominant sellers in the United States. It is also the world market price for quantity and contract sales through established trade channels. Purpose of the regulation, CPR 136, is to remove much of the speculative trading and hoarding, to encourage liquidation of "investment" stocks, and to pave the way for domestic sellers to get additional supplies. However, until July 27, sellers may make shipments at prices up to $105 an ounce. The purpose of this "grace period" with a higher price is to encourage the sale of hoarded stocks and to permit the liquidation of inventories held by those with higher GCPR ceiling prices or purchased from high-cost foreign sources at prices in excess of $93.

Zinc—Expectations are that world smelter production this year will be about 6 percent higher than in 1951; about 10 percent higher than in 1950; and almost 25 percent above the level of 1948, when the zinc market was in an extremely tight position. It was stated that in 1952, for the first time since 1946, world mine production of zinc in the form of ores and concentrates will exceed the consumption of mine product by zinc smelters, oxide plants and other users of primary zinc-bearing raw materials. The current estimates is that the recoverable zinc content of mine production this year in the areas outside the Iron Curtain countries will amount to 2,418,000 short tons of zinc. As against this, the actual production of metallic zinc plus the zinc content of oxides and other similar products is estimated at 2,300,000. This is a significant reversal in the position which has prevailed over the last six years during which there has been a steady reduction in stocks of concentrates held by zinc smelters and zinc oxide producers.

Belgian Congo Merger Plans Are Announced

Solvay & Co. and Union Chimique Belge, S. A., have announced plans to merge their commercial organizations in the Belgian Congo and Ruanda-Urundi into a new jointly-owned company. The new concern will be called Compagnie Chimique et Industrielle du Congo "Chiminco." Adoption of the company title awaits a royal decree. Union Chimique Belge's present subsidiary in the Belgian Congo is Societe Africaine de l'Union Chimique Belge "Africhimic."

Union Chimique Belge has also revealed that a company in which it has a 40 percent interest, Syndicate des Charbons de la Lukuga, is planning construction of a Fischer-Tropsch synthetic oil plant in the Belgian Congo. The concern is at present carrying out preliminary gasification tests with coal from the Lukuga Basin, near Albertville on Tanganyika Lake. Several hundred tons of this coal have already been forwarded to Belgium to determine whether this coal is suitable for the production of synthetic gas, and, if so, what gasification process must be employed. Other members of the Syndicat des Charbons de la Lukuga are Geomines, owner of the deposits, with a 20 percent interest; Comite Special du Katanga, a 20 percent interest, and the Societe General de Belgique, 20 percent.

Alcoa Elects Three

Three executives of Aluminum Company of America, Pittsburgh, Pa., have been elected to newly-created vice-presidencies. Gordon W. Cameron, Alcoa's treasurer since 1943, has become vice-president and treasurer; Arthur P. Hall, director of public relations and advertising, has become vice-president in charge of those fields, and C. F. Nagel, jr., chief metallurgist, has assumed the third new vice-presidential post.

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Dow-Detroit Edison Nuclear Power Study Gets Extension

The Atomic Energy Commission has begun negotiations with Dow Chemical Company and Detroit Edison Company on their proposal to continue for one year, on a jointly financed basis, the Dow-Detroit Edison study of greater industrial participation in the development of nuclear reactors for the production of fissionable materials and power. The work proposed by Dow-Detroit Edison is in line with the AEC reactor development program.

The Dow-Detroit Edison group is one of the four pairs of industrial and power firms participating in preliminary studies as a part of the industrial participation plan first recommended by Dr. Charles A. Thomas of Monsanto Chemical Company. Other groups are Monsanto and Union Electric of St. Louis; Commonwealth Edison and Public Service of Northern Illinois, Chicago; and Pacific Gas and Electric and the Bechtel Corporation of San Francisco.

General Aniline to Move Product Development Dept.

The product development department of General Aniline Works Division will be moved to 435 Hudson street in New York City from its present location in Easton, Pa., by June 1, according to an announcement by Dr. J. H. Bruun, director of commercial development of GAW. Dr. Bruun said the transfer is being made to achieve better coordination between the product development department and other division departments headquartered in New York, including market research, sales and patents. The central research laboratory of the division is not affected by the move, and will continue to be located in Easton. General Aniline Works, a division of General Aniline & Film Corporation, carries on plant production at Grasselli, N. J., and Rensselaer, N. Y.

Fuels Technology Parley Set May 5-6 at Pa. State

Future developments in the technology of fuels will be among the subjects discussed at the spring meeting of the American Chemical Society's division of gas and fuel chemistry, to be held May 5 and 6 at Pennsylvania State College, State College, Pa. The role of chemical styrene in synthetic rubber and plastics and its derivation from coal and petroleum will be discussed and the production of gasoline from coal will be described in a symposium on chemicals from coal, slated the afternoon of the fifth. A symposium of the future of fuels and energy sources is scheduled for the afternoon of May 6. A total of eighteen technical papers will be presented.

Perkin-Elmer Issues Infra-Red Data

The Perkin-Elmer Corporation, Norwalk, Conn., has issued an eight-page booklet describing how six chemical manufacturers have applied infra-red analysis to their product control problems. The six case histories, fully illustrated with photographs and charts, have been taken from the files of Merck & Co., E. I. du Pont de Nemours & Co., A. B. Dick Company, Hooker Electrochemical Company, Smith, Kline & French Laboratories, and Julius Hyman & Co. The range of problems covered includes:—Detection of water in freon, penicillin G. assay, quality control of inks and raw materials, gamma isomer content of benzene hexachloride, assay of chemically similar drugs, and plant production control for an insecticide manufacturer. Copies of the booklet, entitled "Product Control Through Infrared Analysis," can be obtained by writing the company.

Trade Briefs

Midwest Research Institute, Kansas City, Mo., has added Henry Wessel and Walter Lapple to its staff as chemical engineers.

Dr. J. G. Affleck has been named a member of the new product development department of American Cyanamid Company, New York.

Louis W. Brummer has been named chief plant accountant for Chemstrand Corporation's nylon plant now under construction at Pensacola, Fla.

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OPS Takes First Step

—Continued from page 3

ceilings will be in effect instead of the higher ceilings originally specified in CPR 6..

As revised by this amendment, the new ceiling price of crude soybean oil is 16½ cents per pound, f.o.b. Decatur, Ill.; crude cottonseed oil, 18 cents per pound (Valley basis), and of crude corn oil, 19 cents per pound f.o.b. United States mills. A basic price of 17 cents a pound is established for loose lard at Chicago. As noted, however, these ceilings are suspended with today's suspension orders.

Prior to today's suspension action, the ceiling price on loose lard at Chicago under the General Ceiling Price Regulation was approximately 18 cents per pound. CPR 6 ceilings on crude vegetable oils were:—Soybean oil, 20½ cents per pound, f.o.b. Decatur; cottonseed oil, 23½ cents per pound (Valley basis), and corn oil, 24½ cents per pound f.o.b. United States mills.

Prices on April 14

As of April 14, crude cottonseed oil was quoted at 10½ cents per pound (Valley basis); quotations on crude soybean oil ranged from 9⅛ to 9¼ cents per pound, f.o.b. Decatur; crude corn oil was quoted at 11¾ cents per pound, f.o.b. United States mills; loose lard at Chicago sold at 9⅞ cents a pound. All these prices are substantially below ceiling — a situation which also exists in the case of inedible tallows and greases, vegetable oil soapstocks and fat-bearing and oil-bearing animal waste materials. Inedible tallow, fancy grade, is currently selling for less than 6 cents a pound as compared with a ceiling price of 10½ cents; yellow grease at less than 5 cents a pound, as compared with a ceiling price of 9⅛ cents; and raw vegetable oil soapstocks at around 1 cent a pound, as compared with a ceiling price of 6 cents.

The Director of Price Stabilization will rescind this suspension in whole or in part as appropriate if quotations of actual transactions in established spot or future markets reach the following price levels:—Crude cottonseed oil, 15½ cents, Valley basis; crude soybean oil, 14 cents, f.o.b. Decatur; crude corn oil, 16½ cents, f.o.b. United States mills; fancy tallow, 9 cents, New York; and loose lard, 14½ cents, Chicago. The price levels at which this suspension would be rescinded on the named crude oils and lard are 2½ cents, and on tallow, 1½ cents below their respective ceiling prices.

P.A.'s-Eye View

—Continued from page 5

engineers, mechanics and office people are hard to get.

Buying Policy

An even tighter commitment policy is reported this month. Ninety-six percent report holding within a hand-to-mouth to ninety-day range, which has been the predominant course for the past several months. In April, there has been a more pronounced movement into the thirty to sixty-day bracket. Soft prices, easing availability, declining order books, and lack of confidence in current business conditions all combine to create this very cautious view of the markets.

Specific Commodity Changes

Few "ups" and many "downs" is the story for April, none of them very drastic percentagewise. Reported up were asbestos, calcium carbide, fertilizer, industrial diamonds, insecticides, potassium salts and seed. Of the many on the down side were fatty acids, butyl alcohol, casein, coal, coke, containeds (very competitive), conduit, small motors, fasteners, sugar, meat, glycerin, industrial tape, foreign and secondary lead, hides, leather, belting, some lumber, menthol, mercury, vegetable and fish oils, pulp and paper, synthetic resins, rubber, shellac, soft goods, warehouse steel and strapping (spotty), tallow, tires and secondary zinc.

In short supply are sulphuric acid (but easing), aluminum, steel castings, cobalt, copper, diamonds and diamond wheels, electric controls, manganese ore, nickel, pipe, steel plate, bars and tubes, sulphur, tin, machine tools and welding rods. Easier to get are brass, cast-iron castings, chemicals, some copper items, pig iron, paper, warehouse steel and wire.

Canada

The Canadian picture differs from the United States in several respects. Production is holding better. Order books are increasing. More price declines than reported in US. Inventories about the same. Employment lower. Buying policy a little longer range. The cost-of-living index is down. Reduced luxury taxes may stimulate buying.

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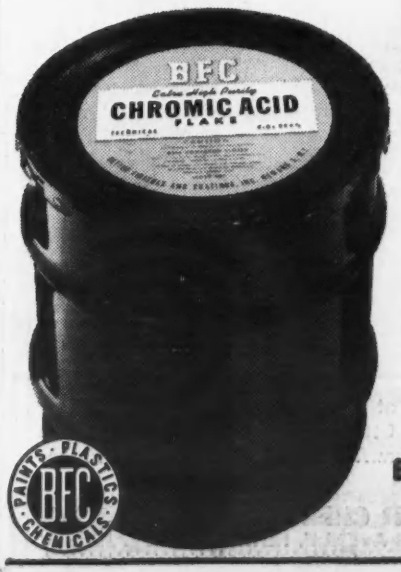

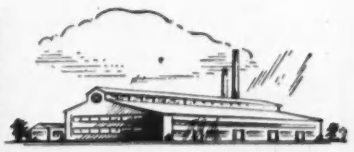
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Agricultural Chemicals

Lower prices were recorded for dried blood and tankage last week and steamed bone meal was also priced lower. Temporary withdrawal of feed buyers has relieved these markets of their chief support. Blood and tankage were at new lows for the year. Hoof meal displayed an easy tone but there were no additional sales. Stocks of imported fish meal have been substantially increased by recent heavy importations and the market had a top-heavy appearance with demand slow. There were no stocks of nitrogenous process tankage with some of the producers searching for supplies. Additional offerings of castor pomace found a ready market for fertilizer use.

OPS has etablished a ceiling price for bulk superphosphate averaging about 5 percent effective April 26. This will permit an advance for some producers and a roll-back for others. It is expected that price revisions will be made this week. Mixers have increased their contract withdrawals of superphosphate owing to an improved movement of finished fertilizer. Ammonium sulphate continued in short supply with no easement expected over the balance of the season. The movement of domestic potash held its gain and a better distribution of foreign potash was reported. There has been no settlement of the strike at Chilean sodium nitrate plants and stocks have been exhausted in some areas and near exhaustion in others. North Europe has made an inquiry for a sizable quantity of phosphate rock.

Market Trends

Prices Advanced

None

Prices Reduced

Bone meal, steamed, $2.50 per ton.
Dried blood, 25c. per unit of ammonia.
Tankage, 50c. per unit of ammonia.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
92.5	92.5	92.5	82.2	87.1

(For Current Prices see Page 9)

Fertilizer Materials

Ammonium Sulphate—Maintenance of heavy demand has held the supply position decidedly tight and it looked as though stocks would remain short over the remainder of the fertilizer season.

Bone Meal—Steamed was priced lower at $80 per ton, works. This grade is used mostly for stockfeed use and feeders are cautious buyers at present. The raw variety was unchanged at $75, with some sales for fertilizer requirements.

Calcium Ammonium Nitrate—Imported material has been moving at prices ranging from $60 to $61 per ton f.o.b. cars in the South and Southeast. Stocks have been coming in from Austria and Germany.

Dried Blood—Priced lower and at new lows for the year. At New York, $6.25 per unit of ammonia was named and at Chicago $6. Buying interest definitely slow.

Fish Meal—Heavy importations of foreign material have overstocked the market and prices are decidedly unsettled at present. Reports of recent sales have been heard as low as $118. Domestic menhaden remained in short supply with the ceiling price named. Fishing operations have started in the Gulf and operations are expected off the eastern coast next month.

Phosphate Rock — North Europe has made inquiry for a sizable quantity of material but no details are available to date. Domestic demand is holding steady, with acidulators in most instances calling for full contract shipments.

Production of phosphate rock in Tunisia in the fourth quarter of 1951 was 541,280 metric tons, bringing the total for the year to 1,678,905 tons, compared with 1,524,835 tons in 1950. Output of hyperphosphate (finely ground phosphate rock) in the quarter was 34,970 tons, and for the year amounted to 166,160 tons, compared with 133,305 tons in 1950. Exports of phosphate rock in the fourth quarter of 1951 were 573,750 tons. The figure for the year was 2,097,725 tons, a substantial increase over the 1950 total of 1,571,880 tons. However, the present rate of production will not permit exports to continue at this high figure. Exports of hyperphosphate in the fourth quarter of 1951 amounted to 37,380 tons; they totaled 143,230 tons in the year 1951, compared with 144,335 tons in 1950.

Potassium Muriate—No easement in demand for contract shipments. The supply situation has continued exceedingly tight. Imported potash is also moving out from storage in better volume and it looks as though all stocks will be used by the end of next month.

Sodium Nitrate—No settlement of the strike at Chilean nitrate plants and stocks of imported material are nearly exhausted. There is more demand for domestic nitrate than can be readily satisfied.

Superphosphate—Price ceilings averaging about 5 percent have been established by OPS effective April 26. This will permit price advances by several producers and rollbacks by a few. The increased movement of mixed fertilizer has allowed mixers to replenish stocks of super. The supply position remained tight.

Domestic production of superphosphate during February totaled 868,117 short tons for normal, 64,596 tons for concentrated, and 6,283 tons for wet-base goods, according to the Bureau of the Census. In comparison with January output, production of normal superphosphate and concentrated increased, respectively, 7 percent and 11 percent, while the tonnage of wet-base goods decreased 17 percent. Production for each of the three grades of superphosphate was also greater in February, 1952, than for the corresponding month of 1951. February shipments were greater than those for the previous month and, except for wet-base goods, also totaled more than the amounts for February, 1951. During the month, stocks on hand for normal and wet-base goods declined 7 and 10 percent to 1,028,453 tons and 18,768 tons, respectively, while stocks of the concentrated grade increased 5 percent to 66,955 tons. The quantities held on February 29, 1952, were greater than the amounts held on February 28, 1951, for all grades of superphosphate.

Tankage—New low prices for the year were established last week. Demand was exceedingly quiet with sellers at $6 New York, and $6.50 per unit of ammonia at

Los Angeles Market

Los Angeles.—Increased trading was apparent on the local market during the week with heavy incoming shipments reported in an effort to meet the present rate of demand. Growers who have held off planting in the Southern California area are now rushing to get crops in, accounting for the heavy orders locally. To date, supplies have been relatively adequate with only a few items slightly behind shipping schedules. No price changes were reported over the week although the blood meal and tankage market remained unstable due to a heavy concentration of these materials locally. Superphosphate has managed to hold its own so far with production considered adequate; ammoniated superphosphate has had considerable attention requiring stepped-up production to meet the present rate of demand.

Pesticides

Weed control chemicals are commanding increased attention particularly for 2,4-D and 2,4,5-T. The heaviest demand is said to emanate from the western area and some difficulty has been experienced in meeting shipments fast enough to cover requirements. Most of the insecticides have not felt the impact of seasonal demand to date. There has been some moisture in parts of Texas and along the Mexican border and this has increased the inquiry for 36 percent BHC but the other grades have continued relatively quiet. DDT remained definitely firm with stocks limited. Allethrin was available although a sizable part of production is being channeled for government use in aerosol bombs and sprays. This material is tagged for an increase in output about July 1. Pyrethrum has held its own against the competition offered by the synthetic product. A local firm has planted considerable acreage of high grade pyrethrum seed in Ecquador. It will take about two and a half years before this production is available for market purposes and it may offer serious competition to East African material. Spring demand for paradichloro benzene for moth control has been fully up to the seasonal average.

Exporters now may ship BHC and all formulations except those containing 20 percent or more sulphur to most countries without applying for individual export licenses, the Office of International Trade announced. BHC has been under export controls since March 20, 1951. Exports authorized since that date total about 51,000,000 pounds.

A bill (S. 3042) to prohibit imports of agricultural products from Iron Curtain countries when these products are in surplus supply in the United States has been introduced in the Senate by Sen. James P. Kem of Missouri. The bill was referred to the committee on agriculture.

For Late Market Developments, See Page 4

Foot-and-Mouth Lab Hearings Are Slated

Rep. Harold D. Cooley, chairman of the house committee on agriculture, announced April 22 that hearings will be held soon on H. Res. 600, by Rep. Lovre of South Dakota, which gives house instruction to the Secretary of Agriculture to make immediate plans and specifications for the construction and operation of a research laboratory concerned with foot-and-mouth disease. Construction of such a laboratory was authorized by public law 496 of the eightieth congress, Rep. Cooley pointed out. The bill originated in the house committee on agriculture. Subsequently $500,000 was appropriated to the department to get the research project under way. Only about $50,000 of this amount has been spent.

It is not entirely clear to the committee why USDA suspended work on the project after spending only about 10 percent of the money appropriated for that purpose, Rep. Cooley said. That is one of the things the committee hopes to find out in its hearings on H. Res. 600, he added.

Pacific Coast Borax Weed Control Division Posts to 2

The Pacific Coast Borax Company, a division of Borax Consolidated, Ltd., Los Angeles, Calif., has announced two personnel changes in its weed control division. W. L. Klatt has been named Denver, Col., district manager of the division, and J. R. Parke has become the weed control division's Philadelphia representative. Mr. Klatt has been associated with Pacific Coast Borax since 1947, the last two and one-half years as assistant manager of the weed control division. Mr. Parke was formerly associated with the company's package division.

Powell Opens Paris Office

John Powell & Co., New York, has announced the opening of a Paris office at 56 Rue de Bassano, which will become the European headquarters of Powell's overseas affiliate, John Powell International, Inc. The new office will be under the management of Claude Mouries, who has represented Powell in North Africa for the last several years.

Meyer Rejoins Firm

Jeffery W. Meyer has rejoined Wilson & Geo. Meyer & Co., San Francisco, having been released from active duty with the army. Mr. Meyer will serve in a managerial capacity, directing the sale of fertilizer materials, industrial chemicals, plastics and foundry coke. He is a great-grandson of the founder of the firm,, which is now more than 100 years old.

Chipman Issues Parathion Handbook

Chipman Chemical Company, Bound Brook, N. J., has published the 1952 issue of the "Parathion Grower's Handbook." The thirty-two-page publication gives a variety of safety data on the use of parathion, and includes three pages of illustrations. Included in the handbook are suggested safety precautions, first aid data, information on airplane application, cautions as to crops and times of application, insect, label and citrus label claims, and data on wettable powders, dusts, emulsifiable liquid, aerosols, mite and red spider control, compatibility and parthion residues.

Del-Mar-Va Fertilizer Meeting Set

The Del-Mar-Va Peninsula Fertilizer Association will hold its annual meeting June 28 at the George Washington hotel, Ocean City, Md.

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Petroleum Derivatives

Consumption of petroleum toluol continued to keep up with the output so that sellers had no surplus material. The requirements of the government for production of aviation gasoline and TNT consumed all of the material available over and above that needed by industry. Xylol was offered in fairly good quantities, although its production has been cut in some quarters, in order that the output of toluol might be maintained. Market quotations for both items were stable. The aliphatics were without special feature during the past week. The demand continued to be consistent and a steady rate of production provided all that was required. The LP-gases remained easy, according to observers in the industry. Propane was presently in plentiful supply. It was stated that the situation would probably remain untroubled throughout the summer months. Prices were unchanged, although some shading was reported where actual sales were made.

According to members of the industry, the petroleum waxes were holding their own. There was some indication of a firmer market situation, although there continued to be a very ample supply of both microcrystalline and paraffin waxes available. In some places the output has been cut in order that the large stocks might be diminished. Market quotations for both types of waxes remained steady and unchanged. No change was reported in the petrolatum and white mineral oils market. There continued to be a fairly active demand and supplies were adequate to meet all requirements at steady prices.

Solvents and Diluents

Petroleum toluol was generally unchanged throughout last week. Production has been kept up at a steady rate and most producers could dispose of all of their production to both industry and the government, which took all it could get for the output of aviation gasoline and TNT. It was reported that there was some localized easing of supplies in the West. In some quarters there were adequate stocks of xylol. However, elsewhere the item was slightly short since producers have concentrated more on the output of toluol at a sacrifice to the production of xylol, which, in many cases, is produced by the same equipment. Prices for these items continued stable. There continued to be a comfortable balance between the supply and demand for the intermediate aromatic chemicals. The higher boilers, as well, enjoyed a rather steady demand and it was reported that all orders could be filled promptly.

Cleaners' Naphtha — A quietly steady market situation was reported for this article during the past week. There continued to be an ample supply available to meet the normal demand and price quotations were unchanged.

Lacquer Diluent—There continued to be an active interest shown in this material by consumers. Producers stated that all orders were filled without difficulty. The output has been maintained at a good level and no change occurred in the market price.

Mineral Spirits—This market was without special feature during the past week. There was an adequate supply readily available and a steady call on the part of consumers, making for a comfortable balance of business. No change was reported in the pricing schedule.

Rubber Solvent—The demand for this material was consistently good and sellers had no trouble covering all the requirements from their stocks. A steady rate of production provided replacements for all stocks sold. Market quotations held unchanged.

Stoddard Solvent—With production well maintained and a good balance existing between the supply and demand, this market was quiet and comfortable. Prices remained steady and unchanged.

V.M. & P. Naphtha—According to producers, a good volume of business was transacted in this market with paint producers showing a great deal of interest in the item at this time. All inquiries could be met with ease from the ample stocks held by manufacturers. The market price remained steady.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended April 12 totaled 260,698,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 258,450,000 barrels for the preceding week, this represents an increase of 2,248,000 barrels comprising an increase of 918,000 barrels in stocks of domestic crude and an increase of 1,330,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Lighter Fractions

LPG's—Both propane and butane remained in an easy position during the past week. There was a very good supply available and only a moderate interest shown by customary users. There continued to be reports of price shading, although the market quotations remained unchanged. It was reported by the Bureau of Mines that the total output of LP-gases during the month of February amounted to 8,588,000 barrels, or an average of 296,000 barrels per day.

Waxes

Microcrystalline—The wax market was reported to be holding its own. There was still a large supply available to more than cover the current demand. It was said that there were signs of a pickup of business in the offing. Prices remained unchanged.

Paraffin—No appreciable change was seen in this market during the past week. It was said that there were indications of a healthier balance of supply and demand in recent weeks. However, there was still no shortage of material and the interest of consumers was not overly active.

Miscellaneous

Crude Oil—Daily average production of crude oil for the week which ended April 12 amounted to 6,270,650 barrels, according to a report issued by the American Petroleum Institute. The industry as a whole ran to stills about 6,315,000 barrels of crude oil per day and produced 21,542,000 barrels of gasoline, 2,720,000 barrels of kerosene; 9,412,000 barrels of distillate fuel oil and 8,746,000 barrels of residual fuel oil during the weak. At the end of the week there were in storage 157,781,000 barrels of finished and unfinished gasoline; 17,017,000 barrels of kerosene; 48,494,000 barrels of distillate fuel oil and 35,880,000 barrels of residual fuel oil. Imports of crude oil during the same period amounted to 466,800 barrels per day.

Natural Gasoline — According to the Bureau of Mines, the daily average production of gasoline and allied products increased 8,000 barrels per day in February as compared with January. Production was 11 percent greater than in February, 1951. Stocks increased 689,000 barrels in February. The output of natural gasoline for the month was 6,724,000 barrels.

Petrolatum — The market proceeded without change throughout the past week. There continued to be a good sized supply available to meet the requirements of consumers who showed an active interest in the material.

White Mineral Oils—Price quotations remained steady and unchanged, according to the industry. There was a good demand reported and an ample supply which covered all orders without difficulty. Production was maintained at a good level.

Los Angeles Petroleum Market

Demand remained at a good level during the week for solvents and diluents with supplies of all materials reported adequate. Price listings were unchanged as follows: Cleaning solvents, including Stoddard, quoted 15.7c. to 19.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles Basin area. Lacquer diluent quoted from 16.7c. to 20.7 per gallon, same basis.

Demand for butane remained brisk during the week with stocks continuing limited. Inquiry for propane was reported fair to moderate with an ample supply position at the present. Propane quoted 4.3c. per gallon, tankcars, f.o.b. Los Angeles; butane quoted 4.8c. per gallon, same basis.

For Late Market Developments, See Page 4

Phillips Natural Gas Case Reversal Sought by 3 Cities

The cities of Milwaukee, Detroit and Kansas City last week asked the United States court of Appeals to reverse a ruling by the Federal Power Commission that it does not have jurisdiction over natural gas sales by the Phillips Petroleum Company, Bartlesville, Okla. The briefs, which are expected to be followed by similar filings by Wisconsin, its Public Service Commission, and Wayne County, Mich., contended that the commission erred in its decision.

Milwaukee argued that Phillips "apparently recognized that the sales of natural gas by it to five pipeline are sales of natural gas in interstate commerce," and that the states could not regulate the sales by Phillips to the five companies involved. It contended that "congress did not intend that there would be a 'vacuum' in regulatory authority in instances such as the one applicable here to Phillips Petroleum Company."

The Detroit brief referred to President Truman's veto in 1950 of the Kerr natural gas bill, which would have deprived the commission of jurisdication over sales of natural gas, pointing out that the President in his veto message stated that authority to regulate such sales was necessary. Kansas City said that the natural gas act was passed in 1938 for the express purpose of guarding consumers against unjust gas prices.

High Court Rejects Richfield Oil Appeal

The supreme court last week upheld a 7 to 0 finding that Richfield Oil Corporation, Los Angeles, Calif., had violated the antitrust laws, by requiring 2,965 western service stations to buy only from Richfield. The high court's decision was announced in an unsigned order, with two of the justices not participating in the action. The illegal agreements affected service stations in California, Oregon, Washington, Nevada, Idaho and Arizona.

Mazda Oil Brings in Two Wells

National Phoenix Industries, Inc., New York, has announced that its subsidiary, Mazda Oil Corporation, has brought in two new oil wells. Both of these wells are in the Peavine field of Oklahoma. One well, called "Santee A3," has been completed in the Bartlesville sand at a depth of 5,800 feet with a production of 225 barrels per day. The other well, known as "Santee A4," is flowing at the rate of approximately 125 barrels per day in the Bartlesville sand before Hydrofrac. The Hydrofrac procedure in this area consistently doubles or triples the production.

FTC Slates Ind. Standard Case for Hearing June 26

The Federal Trade Commission has fixed the date of June 26 for oral arguments on the commission's modified order against Standard Oil Company of Indiana alleging failure upon the part of Standard to show good faith in discriminating in prices among its customers in the Detroit area. It was also announced that the time has been extended to May 25 for Standard to file its briefs and memoranda concerning the order, and the commission attorneys have until June 21 to file their reply briefs.

The modified order is the result of the supreme court decision last year upholding the right of Standard to claim good faith as a defense for price discrimination to meet the equally low prices of a competitor. The commission, however, has denied that Standard has been able to prove good faith as the reason for discriminating in prices among its customers.

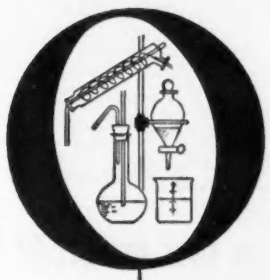
Texaco Elects President

The Texas Company, New York, has elected John S. Leach president, succeeding Harry T. Klein, who will continue on the board as chairman of the executive committee, a newly-created post. Mr. Leach had been executive vice-president of Texaco.

Trade Briefs

Ralph M. Parsons Company, Los Angeles, Calif., has named Harry P. Broom vice-president in charge of its New York office.

Atlantic Refining Company, Philadelphia, has developed a "robot brain" which it says will analyze petroleum products in one-tenth the time required by existing methods.



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Coal Chemicals

The price of alphapicoline was advanced 10 cents per pound by one producer, effective April 15. ADF cresylic acid was reduced 5 cents per gallon last week. This latest reduction of ADF acid changed both ends of the price range.

There was not much change in the supply positions of the coal chemicals last week. Naphthalene was still fairly tight, but there continued to be less pressure. Pyridin was in tight supply. All of the tar bases showed good activity. Phthalic anhydride was still in a short supply position, however there was said to be quite a little easing in the market.

The light oils were close to balance, with benzol just coming into balance, and xylol a little bit on the longer side. Toluol was in the middle, at a balanced supply position. Aviation gasoline took up the slack in the toluol market. The tar acids were in oversupply. The activity was slow for the cresols, and cresylic acid. Phenol continued to show a weak market.

Acetanilide was enjoying a good demand, for the technical grade. The supply of resorcinal seemed to be easing up a bit. Some of the material was being sold to non-defense outlets. Restrictions on resorcinol were expected to be cut soon, in the face of increased production and a better supply position.

The American Iron and Steel Institute announced that the estimated operating rate for the week ending April 26, was 100.4 percent of theoretical capacity. This was equivalent to 2,085,000 tons of ingots and castings for the entire industry, as compared with the actual production of 2,038,000 tons one week ago, and actual production of 2,141,000 tons one month ago.

The 2,038,000 tons of actual production for the previous week, the week ending April 19, represents an increase of 23,000 tons over the operating rate which was scheduled earlier during that week. The scheduled rate for the week ending April 19, had been 97.0 percent of capacity, while actual production was at a rate of 98.1 percent of capacity.

Basic Products

Benzol—Most producers felt that the market for benzol was just about balanced between supply and demand. The material was moving well and suppliers reported that all of their output was being taken by consumers.

However, it was felt that there was a great deal less pressure upon producers than there was even late last year. Industrial demand has been reduced to such an extent that everybody seems able to get enough benzol for their immediate needs. One of the factors in the benzol market was the condition of the phenol market. Producers of synthetic phenol generally require large volumes of benzol. However, the market for phenol was suffering from decreased calls itself. Thus, there has been that much less need for benzol from the direction of synthetic phenol producers.

There were certainly other areas in the industry which were not calling for as much benzol as they had in previous months. Consumers were buying most chemicals with caution, and naturally, the market for benzol was likewise affected. The consumer seems to be waiting for an indication of a trend, buying only what is immediately needed, and not allowing inventories to buildup to their maximums.

Creosote—The market for this coating material was in a relatively good balanced supply position. Producers said that the material was kept moving in pace with production by increased sales effort. There has been a slight softness noted in this market, but suppliers were not overly concerned. They felt that this material was a pretty steadily moving item. The needs of railroads for coating the ties have been fairly consistent from year to year. The fluctuations of this market, which are infrequent, have been tied to the volume of railroad traffic, said some producers. Railroads tend to coat more ties when business is good, it was said.

Cresols—Most producers reported that the supply of the cresols overbalanced the number of calls. These tar acids have become increasingly abundant since the beginning of the year. Producers reported that they have not had too much of an inventory problem with the cresols because they were moving the acids slowly.

It was expected that there would not be much change in the market for a little while, since there were no increased calls expected. Reduced demands from cresylic resins manufacturers have been noted as factors contributing to the current supply position. Cresylic resins have not been too strong since the beginning of this year. Producers did not look for any appreciable change in the number of calls for the cresols from this direction. However, some producers said that orthocresol was seen to be picking up a little during the last few weeks.

Cresylic Acid—The market for the domestic material has been rather quiet. This coaltar acid was described by producers as being in a slightly long supply position. Whatever material moved, was moving slowly. No one anticipated any significant changes in either price or supply, during the next few weeks.

Importers said that the price of ADF cresylic acid was 5 cents per gallon lower than previous quotations. Last week's reduction was effected at both ends of price range, making the differential $1.15 to $1.25 per gallon. Importers said that ADF acid was moving rather slowly. The price reduction was undoubtedly an attempt to stimulate business, however, the inventory position of many consumers has been a stumbling block to further activity in this market. Demand has been off in recent weeks and many consumers have had adequate inventories for months. Cresylic resins have not shown any inclination to pick up.

Naphthalene—There was no significant change in the naphthalene market last week. Domestic producers continued to report that they could sell more than their output, however, the pressure was not as great as it had been. It was felt that the easing of pressure, which has taken place since the latter part of last year, was partially due to higher production levels, and to some extent, due to reduced demands. The combination of these two factors, plus a change in buying attitude on the part of consumers, have improved the supply position of naphthalene.

There was no activity, pricewise, in the market for imported hot-pressed last week. For that matter, there was very little activity in the crude imported market at all. Not too much material was sold, under new contracts. It was felt by some importers that a few of the foreign suppliers were beginning to catch on to the idea that the naphthalene market was on the way down. Nevertheless, there were still some offers from abroad for crude material to be sold in the American market at 8 cents per pound, and even 9 cents per pound, while importers said that they could not sell the material for more than 7½ cents per pound.

With the current price range at 6½ cents to 7½ cents per pound, some importers felt that the bulk of the material was being sold close to 6¾ cents per pound.

Phenol—The market for phenol continued to be a little better than balanced last week. Producers did not anticipate any improvement in the demand for phenol in the near future. It was felt that fewer calls from phenolic resin and adhesive producers were two big factors in the

Market Trends

Prices Advanced
Alphapicoline, 10c. per lb.

Prices Reduced
Cresylic acid, ADF, 5c. per gal.

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
137.0	137.0	137.0	107.5	134.9

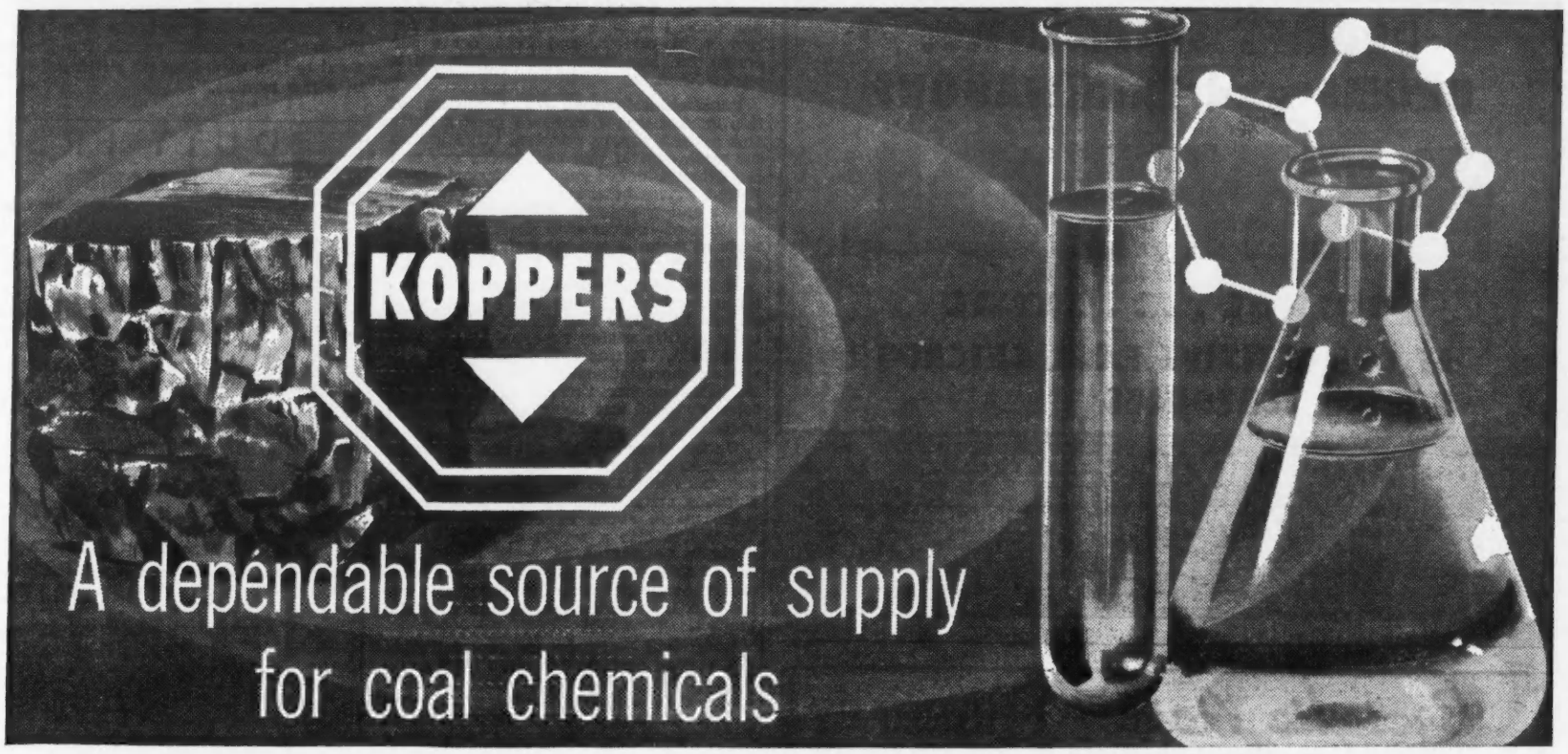
(*For Current Prices see Page* 9)

Coal Chemicals

Total estimate of chemical recovery cokeoven operations in the week ended April 26, indicate the following output of chemicals from that source:—

Ammonia liquid, NH_3	lbs.	964,000
Ammonia sulphate	lbs.	34,687,393
Benzol	gals.	3,440,878
Coaltar	gals.	15,463,055
Creosote oil	gals.	640,811
Naphthalene, crude	lbs.	2,465,730
Pyridin, refined	lbs.	29,254
Toluol	gals.	674,245
Xylol	gals.	181,099

For Late Market Developments, See Page 4



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easing market. There has been no indication from either direction that demand will pick up to any significant proportion during the beginning of this second quarter.

Another consideration of the easier market position of phenol was the fact that benzol, the raw material for production of synthetic phenol, was in greater availability. Benzol has improved in its supply position during this first part of the year.

Pyridin—The market for the 2-degree material was unchanged from its tight supply position last week. Producers continued to report many calls and good activity in all of the tar bases.

Because of the number of end-uses for 2-degree pyridin, suppliers did not anticipate much easing of supply in the pyridin market. Another factor which tends to keep this market tight, is the total output of pyridin. Production of this material is not on a large scale, when it is compared to the output of other coal chemicals, hence, consumers quickly take up the available output.

Toluol—The market for this light oil was said to be in a fair balance between supply and demand. Producers have been depending upon government requirements for aviation gasoline and nitration, to keep any material in excess of the industrial demand moving. The number of calls which producers have been receiving from industrial consumers have not been up to hoped-for levels. The demand from the paint industry, particularly, has been off, and there has been little indication of a pick up.

The supply position of toluol has been much improved since the end of last year. The greater portion of 1951 saw toluol under government allocation for direct defense needs. A steady reduction in industrial demand finally brought about an improvement in the supply of this light oil, until the government was able to allow the nitration to flow to its arsenals through normal channels, without directives to producers telling them what proportion of their output must go into the defense effort.

Xylol—Producers said that there were adequate supplies of this solvent available for consumer needs. There were no immediate changes expected in this market, either in price or supply position. Producers said that there have been no significant increases in call from the paint industry.

Intermediates

Acetanilide — Producers said that the supply of this intermediate was a little short of the number of calls. Activity was good and the material was moving well. There were no changes anticipated in the acetanilide market, either in price or the supply position.

Prices have held firm at their previous levels. Current quotations by various producers were at a range of 25½ cents to 26½ cents per pound in carlots, 26½ cents to 27½ cents per pound in less than carlots. Smaller lots were quoted at 29½ cents to 30½ cents per pound.

Alphapicoline—The market for this tar base was described by producers as being good. Demand continued at a substantial level, and supplies were in relatively good shape. Suppliers looked forward to a healthy, active market.

Effective April 15, one producer raised the price of alphapicoline 10 cents per pound, making a range in the price schedules of various producers. The current quotations were 39½ cents to 49½ cents per pound in carlots, and 40 cents to 50 cents per pound in less than carlots, for drums on a freight equalized basis. Although producers quote a carlot price they indicated that there was no material available in those quantities at the present time.

Anilin—The market for this intermediate was said to be about balanced between supply and demand. Although some producers reported that there has been some reduction in the demand, it was said that the material was still moving pretty well. The volume of business was still fairly good. The activity in the anilin market was thought to be a little better than the activity in the market for other intermediates.

Betanaphthol—Producers said that the supplies of this intermediate were ample to take care of the immediate needs of consumers. Although some consumers have been reported to have substantial inventories of betanaphthol, they were said to be working those supplies off at the present time. Suppliers looked for little change in the supply position or price schedules in the near future.

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resublimed material were 78½ cents per pound for drums. The technical grade was quoted at 32½ cents per pound for barrels in carlots, and 34½ cents per pound for less than carlots, both on a works basis.

Paradichlorobenzene — The picture of this market was a scene of good activity and a tight supply position. The season for moth control was well under way and the demand looked good for several weeks more. Prices have held firm at their old levels and producers look for the supply position of this benzene derivative to remain at a status quo throughout the moth control season.

Phthalic Anhydride—Although the overall market was still short of balance, with respect to supply and demand, there was quite a little easing reported in phthalic anhydride. It was said that there were several cancellations of orders for phthalic. Furthermore, there were reports that some material was being obtained for export.

On the other hand, it was said that some Japanese material was bought recently at approximately 22½ cents per pound plus shipping arrangements which brought the price up to about 31 cents per pound. There was also a report of some Italian phthalic bought at 26 cents per pound. All of this indicates that not every consumer could get all of the phthalic anhydride that he needed in the domestic market.

Resorcinol — Producers reported that this market continued to show good activity. Although resorcinol was generally under government allocation, some material has been released by the government for producer sales to normal non-defense consumers. The materials which producers have had in excess of government allocations have been going mainly to manufacturers of water-proof glues. These consumers have long been without sufficient quantities of resorcinol. It was said that resorcinol-type glues have some desirable qualities not found to the same extent in other type glues.

It was felt that the reason that some of these industrial consumers were now able to obtain this closely regulated material, was due to the fact that output and production facilities have been steadily increasing. One major producer was back in high production gear after a fire last year, and another leading producer was expected to have an additional plant in production this summer. These increases in output were expected to relieve much of the pressure on resorcinol. Some of the producers felt that the higher production levels would permit the government to take resorcinol off allocation within a few months.

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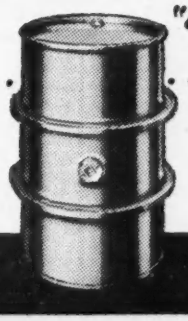
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Textile and Leather Chemicals

Lack of improvement in consuming demand for textile and leather chemicals last week kept the volume of business down. Consumers continued to operate cautiously, due to the drastic reduction of output in the textile and tanning industries. Market undertone was unsettled and quotations were more or less nominal. Sulphonated castor oil was cut 1 cent per pound, reflecting recent decline in basic oil. Valonia cups were reduced $3 per ton for shipment without attracting tanners.

In sizing materials quiet conditions prevailed as users limited purchases to small lots for actual needs and absorbed moderate quantities against former contracts. Potato starch was scarce and firm and tapioca flour also was steady reflecting the firmness of primary markets.

Tanning materials continued in the doldrums. Tanners confined interest to occasional small lots for immediate shipment. Valonia cups were weak and offered freely at lower prices. Other varieties, were quotably unchanged but more or less nominal.

Office of Price Stabilization announced suspension of price controls, effective April 28 on cattlehides, kips and calfskins, raw wool and related fibers, including wool waste, wool tops, wool noils and alpaca. This order also provides means for the immediate recontrols should prices rise sharply, the agency added. This action was taken, OPS stated, because these items are selling far below government ceilings.

Cattlehide production in February was indicated at 1,862,000 hides by Tanners Council, against 1,880,000 hides in January. Goat and kid skins totaled 2,513,000, compared with 2,614,000; calf and whole kip skins, 805,000 against 717,000 and sheep and lamb skins, 2,279,000 compared with 2,047,000.

Market Trends

Prices Advanced

None

Prices Reduced

Castor oil, sulphonated, 1c. per lb.
Valonia cups, $3 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
281.6	281.7	277.8	225.1	326.8

(*For Current Prices see Page 9*)

Chemicals

Acetic Anhydride — Conditions in this market revealed no change. Consumers continued to absorb moderate quantities against current contracts. Stocks were adequate to meet requirements.

Bichromates — Steady demand was noted against existing contracts, though new business was reported slow and spotty. Market remained firm at prevailing quotations.

Sodium Acetate—Buying interest continued chiefly for immediate needs. Prices were without change. Stocks were ample to cover requirements.

Sodium Hydrosulphite—Hand to mouth buying continued last week. Export inquiry also slackened. Withdrawals against former orders were reported spotty. Prices were unchanged and steady, reflecting high cost of zinc.

Sulphonated Oils — Demand continued restricted to small lots for immediate requirements. Lower cost of castor oil weakened sulphonated grades and quotations were reduced about 1c. per pound. The 50 percent grade was quoted nominally at 17c. to 17½c. per pound, and 75 percent, 24c. to 24½c. per pound, depending upon quantity. Sulphonated tallow was inactive but steady.

Sizing Materials

Blood Albumin — Consuming demand for albumin readily absorbed production and offers continued scarce. Prices remained firm at 70c. to 80c. per pound, according to quantity and grade. Interest in soluble dried blood was moderate, with trading spotty for actual needs. Stocks were adequate to cover requirements. Quotations were unchanged at 17c. to 18½c. per pound, as to quantity.

Corn Dextrin—Business was restricted to actual needs. Market remained steady at prevailing quotations. Gum was quoted at $8.96 per 100 pounds, paper bags, carlots, New York basis; canary, $8.70; dark, $8.80, and white, $8.54, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Consumers continued to operate in a hand to mouth manner. Supplies were ample. Prices were maintained at current levels. Pearl was quoted at $7.15 per 100 pounds, paper bags, carlots, and powder at $7.27, same basis. Less carlots were 15c. per 100 pounds more. Visible corn supply dropped 1,905,000 bushels to 50,397,000 bushels for the week ended April 20, compared with 57,823,000 bushels for the same time last year, according to the Chicago Board of Trade.

Egg Albumen — Buying interest was fair, with sales reported confined to immediate requirements. Prices were maintained at current levels. Flake was held at $1.46 to $1.48 per pound, and powder at $1.50 to $1.52 per pound, according to quantity. Technical continued in light request. Prices were unchanged at $1 to $1.08 per pound, depending upon quantity.

Egg Yolk—Trading continued restricted to small quantities for prompt delivery. Prices were steady at the recent decline, ranging from $1.09 to $1.12 per pound, according to quantity. Stocks were liberal.

Potato Starch—Interest in shipments of foreign starch has slackened, but offers for prompt shipment were held at 10c. to 10¼c. per pound, carlots, duty paid, as to seller. There was no change in the tight condition of domestic starch. Production was limited and the market was merely nominal. Carlots were quoted nominally at 10½c. per pound, f.o.b. Maine, while Idaho starch was unavailable and quotations withdrawn. On spot, business was light and prices ranged from 10c. to 12c. per pound, exwarehouse, depending upon quantity and seller.

Sago Flour—Buying interest continued to lag. Small supplies on spot were quotably unchanged. Raw was quoted at 7.35c. to 7.50c. per pound, and refined, 9c. to 9¼c. per pound, exwarehouse, as to quantity.

Tapioca Flour—While buyers continued to limit demand for immediate needs, the market remained steady reflecting the firmness of shipments of new crop from Brazil. Consuming inquiry for replacements was fairly active, though actual trading was in abeyance. Supplies on spot were well held.

Tanning Materials

Trading in hides and skins was reported fair at recent declines. Leather buyers continued to operate cautiously and purchasing at price concessions for immediate delivery. Shoe production in the second quarter was expected to be slightly better than the first quarter. Offerings of heavy and light hides were liberal and quotations were more or less nominal. Calf and kipskins were also easy and nominal.

Chestnut Extract—Slight improvement was noted for actual needs. Stocks were ample and firmly held at unchanged quotations.

Cutch—Offers for shipments were held at 8¼c. per pound, exdock. Business was quiet, though inquiry was fair for later requirements.

Mangrove Bark—Quietness prevailed in this market. South American bark was quoted at $50 to $52 per ton, ex-dock, and African bark at $80 per ton, same basis.

Myrobalans—This market continued unsettled and inactive. Offerings were recently reduced, with tanners showing no interest in replacements. J1's ranged from $43 to $46 per ton, ex-dock, depending upon seller. Crushed were merely nominal at $65 per ton.

Quebracho Extract—Tanners continued to restrict interest in replacements to prompt shipment. Argentine market remained steady at former quotations. Solid ordinary was held at 11 31/64c. per pound, and clarified 12 3/16c. per pound, carlots, ex-dock.

Valonia—Quiet demand and increased offerings unsettled the primary market. Quotations were merely nominal. Cups were dropped to $65 to $66 per ton, exdock, with no takers. Beards also were inactive and nominal at $80 to $85 per ton, ex-dock. Extract was unchanged at 9½c. per pound, ex-dock, plus duty.

Wattle—Consuming inquiry for replacements was limited with occasional sales for moderate lots. Offers for shipments were liberal. Primary markets was unchanged and steady. Fair average bark was quoted at $105 to $106 per ton, and merchantable at $101.50 to $102.50 per ton, ex-dock. Extract was quoted at 11¼c. to 11⅜c. per pound, ex-dock, plus duty.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

The market in drugs and fine chemicals showed little price activity last week. The index was unchanged. Feed grade blackstrap molasses was down ½c. per gallon at New Orleans and 1 cent at New York. Cocoa butter and crude glycerin were reduced ½ cent and 2 cents per pound, respectively. The market in crude glycerin remained in the doldrums. There just did not appear to be much of a demand for the crude. This fact was ascribed by observers as being the result not only of the current slowed up demand for refined grades but was also due to the large inventories both of crude and refined on hand. Demand for cocoa butter has leveled of considerably from the pre-Easter peak and some observers foresaw a decline in the not too distant future. Thymol was reduced.

Chemical and drug imports were said to be on the increase. In several cases prices of domestic drugs were reduced in order to meet the competition of lower priced imported material. A case in point was aminophyllin and theophyllin, both of which were substantially reduced several weeks ago, in order to successfully compete with European material brought into the domestic market.

In a similar vein was the case of caffeine. Although some domestic producers were wont to criticize the quality of the imported material in comparison to the domestic, apparently some imported caffeine has been considered good enough to warrant its purchase by some consumers here. This in turn has brought about some price shading by domestic producers in order to compete pricewise with the imported. It was also true that the color and odor of some imported caffeine as well as that of other fine chemicals such as cream of tartar was not up to American standards and has not proved acceptable to manufacturers employing these materials in their products. Nevertheless, a growing number of imported chemicals and drugs has been making an appearance on the domestic market with the consequence, more often than not, of forcing domestic producers to shade their quotations.

Demand for some of the vitamins such as vitamin A and C was reportedly quite good. The antibiotics were all virtually in oversupply due to the tremendous expansion in productive capacity this past year. The overall price trend in this market has been downward in the past few mont' : with supplies of virtually every chemical exceeding the demand. It has definitely become a buyers' market.

Alcohol—There has been no announced price change in either fermentation or synthetic ethyl alcohol. The market in alcohol has remained virtually static for some time. Demand was fair with supplies more than adequate. Some shading in price below listed schedules was reported but as a whole the price was firm.

There has been no change in the Cuban molasses situation as far as could be determined. The Cuban Sugar Stabilization Institute has not backtracked on its original offer of 20c. molasses. Both feed mixers and fermentation producers aver that they would not pay more than 14c. to 16c. per gallon for the new crop molasses.

At New Orleans feed molasses was currently approaching 24c. per gallon. Figuring freight costs, fermentation producers could almost just as well buy spot molasses at New Orleans as accept the 20c. price being asked for the 1952 crop. Storage difficulties have begun to increase in Cuba since more than half this year's crop has been processed to date. A break in the price of Cuban cane blackstrap was expected momentarily, according to some observers.

Aminophyllin—Demand for this material was fair. Imported aminophyllin has continued to come into the market although the price has held steady since a reduction in the domestic price was forced some time ago in order to meet competition offered by the then lower priced imported material. It was conceded that in the current market with its slack demand the imported material would continue to have a definite bearing on domestic pricing policy. Currently the quotation on the domestic was $4.85 per pound in 100 pound quantities.

Ascorbic Acid—Demand for this material was reportedly quite good. The consumption of vitamin C in the frozen food field has been on the increase in addition to its use in multivitamin compounds. Supplies were adequate and prices remained at former levels.

Bismuth Salts—Demand for this salts was going well according to some producers. Since bismuth metal was taken off government allocation some months ago supplies of the bismuth salts have become more than adequat. for current inquiry. Despite the availability of newer drugs in the treatment of venereal diseases, the use of bismuth compounds in these applications was reportedly still a factor in the overall consumption picture. Prices remained unchanged although reductions in bismuth metal prices abroad were expected by some to have repercussions here in the price of the salts.

Caffeine—Demand for both natural and synthetic caffeine was reportedly at fair to good levels depending upon the viewpoint of the producer queried. Imported caffeine has become increasing available on the open market and was offering competition, pricewise. However, it was said that a good deal of the imported material was inferior in odor and color to the domestically produced material. Nevertheless in certain applications this material could be used. In addition to this fact, not all of the imported caffeine coming in to this country was poor quality, and it was agreed that lower priced imported caffeine had made price shading of the domestic necessary to meet competition in some cases. In general, however, domestic prices were holding steady and there has been no changes in announced price schedules.

Castor Oil—The market continued very quiet. Quotations on castor beans were nominal at $170 per long ton, f.o.b., Brazil. Castor oil prices were unchanged.

Imports of castor beans at New York and Philadelphia totaled 491,100 pounds during the week ended April 24 compared to the 4,344,450 pounds brought in during the corresponding week last year. Imports of castor oil totaled 1,517,200 pounds compared to the 850,800 pounds landed in the corresponding week in 1951.

Total imports of castor beans since the first of the year to date aggregated 52,762,050 pounds compared to 77,274,000 pounds imported in the corresponding period during 1951. Imports of castor oil to date totaled 30,301,600 pounds compared to the 27,805,010 pounds brought in last year.

Citric Acid—Demand for citric acid was reported to be at good levels. The approaching Summer has, of course, accounted for a large portion of the demand since production of soft drinks and various preserved foods will reach its peak with an attendant high rate of consumption of the acid. Above and beyond this usual seasonal increase in citric acid consumption was observed a sustained strong inquiry which was in notable contrast with the slow demand for the majority of chemicals in the current market.

The country's major producer of citric acid has announced plans for the manufacture of the new tuberculosis drug, isonocotinic acid hydrazide, from citric acid. A process has been developed in which citric acid will be the starting point for the synthesis of the drug. More than enough citric acid was reported to be available fo: this new use in addition to an ability to handle all current demand from all other sources.

Cocoa Butter—This item has been without any large price deviations for some time. The price was down ½c. per pound last week making the current quotation 75c. per pound in lots of more than a ton. Supplies were adequate for current inquiry.

Cream of Tartar—Demand for domestic cream of tarter was good with one producer noting inquiry to be exceptionally good compared with the general trend in chemicals. While imported cream of tartar was available, a good deal of it was reported to have been below standard and in particular, had a bad odor thus ren-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Cocoa butter, ½c. per lb.
Glycerin, crude, 2c. per lb.
Molasses, feed grade, New Orleans, ½c. per gal.
New York, 1c. per gal.
Thymol, 15c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
253.0	253.0	253.8	255.8	264.6

(For Current Prices see Page 9)

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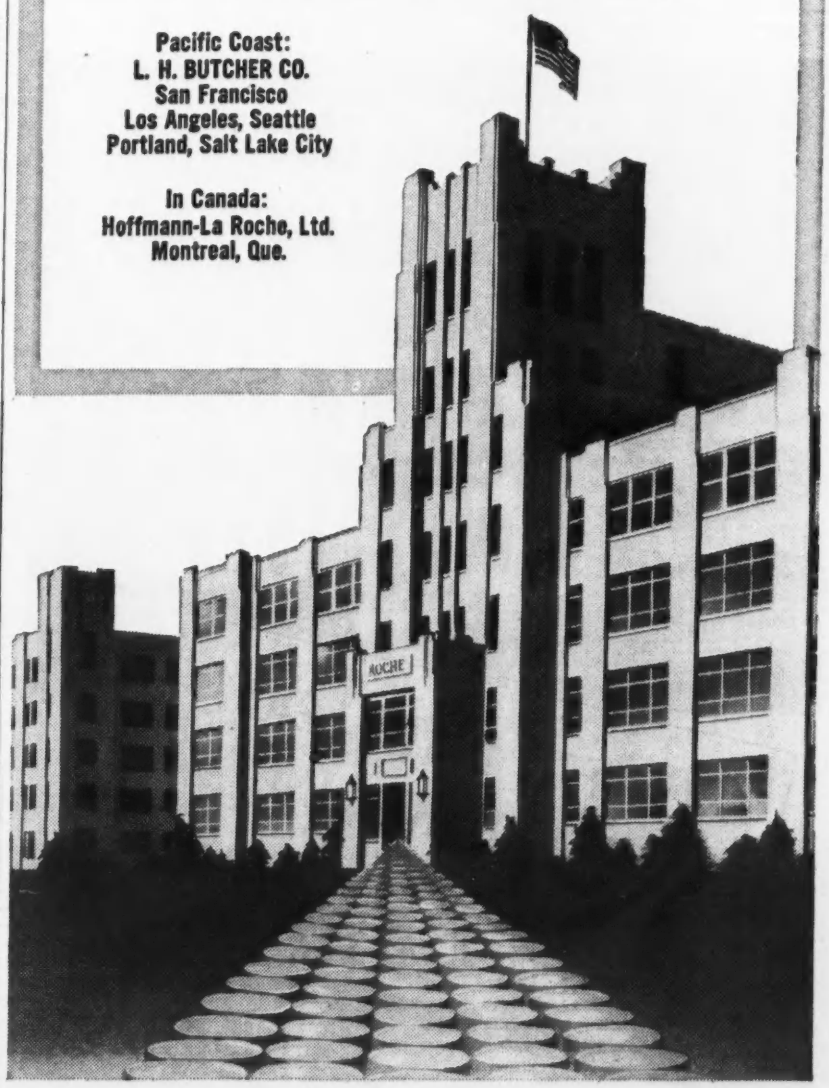

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dering it unfit for use in the manufacture of many domestic items. Supplies were in good shape and no difficulty was expected in the future procurement of imported argols which are the raw materials for practically all the tartrates produced in this country.

Ethylene Oxide—The Defense Production Administration has announced an expansion goal of 969,000,000 pounds of ethylene oxide by January 1, 1955. This figure constitutes an increase of some 423,000,000 pounds over January 1, 1951 production. It has been estimated that 275,000,000 pounds of the proposed increase would be consumed in the stepped up manufacture of ethyleneglycol, the production of which has a proposed expansion of 327,000,000 pounds over January 1, 1951, production by the same date.

The government's acrylonitrile expansion program will require an additional 60,000,000 pounds of ethylene oxide in coming years, according to estimates. Together these two items account for 80 percent of the new productive capacity for ethylene oxide. Expansion of 148,000,000 pounds in ethylene oxide capacity is needed to meet defense and civilian requirements for the manufacture of several other important chemicals, such as ethers in hydraulic brake fluids, ethanolamines for sulphur recovery from natural gas and refinery gas streams, crude petroleum demulsifiers, and polysulphide rubber polymers now under allocation control.

Glycerin—Demand for refined grades of glycerin was fair to good depending upon the viewpoint of the producer queried. Some grades were going better than others but on the whole the overall picture reflected the slower trend in business carried over from the latter part of last year. Synthetic glycerin was freely available at prices comparable to the natural. Although announced price schedules were unchanged, trading has been done at prices shaded below the list. Government purchases were still only a small part of the business done although it was said that recently a sizable order for dynamite grade glycerin was let out.

Crude glycerin was in the doldrums with trade sluggish and generally confined to small accounts. Soaplye crude was available at 18c. per pound with saponification crude at 20 cents, in tanks. Some trading was actually done at these figures, it was said.

Mercurials—Demand for mercurial compounds was fair. Supplies were adequate for current inquiry. Despite the diminished inquiry, prices were holding firm unlike the softening trend in chemical prices since the first of the year. Producers had bought mercury when it was at its peak price last Fall and in general could not afford to drop mercurial prices due to the high initial cost of the metal used in their manufacture. The price of quicksilver itself was currently down somewhat from last year's peak but there still was no indication of any significant slump due in the price of the metal.

Milk Powder—The market in nonfat dry milk solids was unsettled. Offerings were heavier in most markets and the demand was moderate. Current quotations for the spray process ranged from 17½c to 19¾c. per pound, in carlots. Roller process ranged from 15½c. to 18¾c on the same basis.

The market in dry whole milk was unsettled. Increased production was liberal to the fair regular demand.

February production of total nonfat dry milk solids was the third highest for the month in 18 years of record, while manufacturers' selling prices for this product were at near record levels, the Bureau of Agricultural Economics reports.

Production of total nonfat dry milk solids for February was estimated at 50,345,000 pounds, a gain of 21 percent from a year earlier, but a decline of 3 percent from the 1946-50 February average. Cumulative production for the first two months of the year totaled 95,595,000

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Understandably, the inclusion of other foods and supplements in the diet will reduce the benefits of the chlorophyllin. The amount added to HUNT CLUB foods is based on effective results when HUNT CLUB is fed exclusively, or as recommended.

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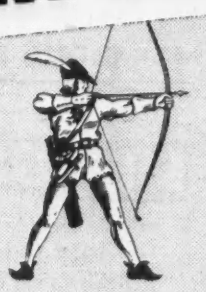

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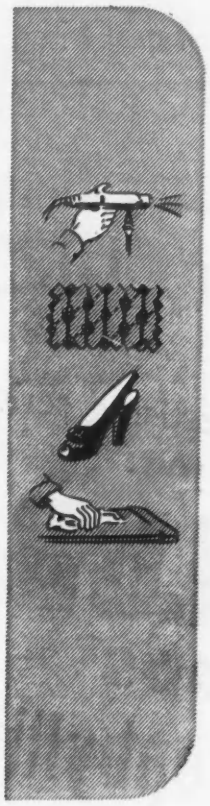

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pounds, a gain of 12 percent over the first two months of 1951. February output of spray-dried nonfat milk solids totaled 38,365,000 pounds, a gain of 15 percent from a year earlier and 11 percent from the 5-year average. The sum of the January and February 1952 estimated output was 72,615,000 pounds, up 6 percent from the same months of 1951. Production of roller-dried nonfat milk solids, at 11,980,000 pounds, showed a gain of 50 percent over February a year earlier, but a decline of 31 percent from the 1946-50 February average. Aside from 1951, production for the month of this latter item was the lowest in 10 years of record. During January and February 1952, production of the roller-dried production totaled 22,980,000 pounds, a gain of 39 percent from the same period a year earlier.

Molasses—Prices for cane blackstrap declined ½c. to 1c. per gallon at most points during the week ended April 22, 1952. The New Orleans price for cane blackstrap ranged from 24 to 24½c. per gallon. West coast blackstrap prices were down $2 per ton from $42 to $40 per ton. Demand remained generally unchanged at all points. Supplies of cane blackstrap were adequate at all points with the exception of Savannah, which has been short for some time.

The price for cane blackstrap at New York was down 1c. to 26 to 26½c. per gallon. At Boston the price was ½c. per gallon higher.

Nicotinic Acid—Demand for this item was strong and apparently supplies have caught up with the heavy inquiry which this nutritive material has sustained for some time.

The struggle to produce sufficient nicotinic acid to keep up with the heavy demand was said to be about over. No longer do manufacturers have to depend upon pyridine as the raw material in the synthesis of niacin. There never was enough pyridine available for this purpose in addition to the other demands upon the small annual production. Using a new process which employs acetaldehyde and ammonia as the raw materials in the synthesis of niacin, producers foresaw no further difficulties in meeting normal demand for nicotinic acid. Prices remained unchanged.

Sodium Citrate—Demand for this material was going along at good levels. In addition to a seasonal pickup in inquiry, it was observed that the general tone of overall demand was strong. Supplies were more than adequate and prices continued firm and unchanged.

Sugar—Distribution of sugar in the continental United States during the week ended April 19, 1952, totaled 109,135 short tons, raw value, compared to 126,428 tons, same basis, distributed during the corresponding week in 1951.

Total distribution for civilian and military consumption from January 1 to date aggregated 2,340,075 short tons, raw basis, compared to 2,103,059 tons, same basis, distributed during the corresponding period last year.

Tartaric Acid—Demand for tartaric acid was fair to reasonably good depending upon the viewpoint of the producer queried. Some seasonal pickup in inquiry was noted although overall demand was off from that at this time last year. Supplies were more than adequate at the current rate of inquiry. Prices remained unchanged.

Thiamin Hydrochloride—Demand for this vitamin material was good according to reports from producers. Supplies were adequate for current inquiry. Prices remained unchanged.

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Glass Container Makers Authorized to Up Ceilings

Manufacturers of certain glass containers were authorized April 23 by the Office of Price Stabilization to increase their ceiling prices established under the General Ceiling Price Regulation (GCPR) by 4 percent. The action was taken, the agency said, because it is indicated that the industry is entitled to a price boost under the industry earnings standard. Under the formula, ceiling rises are allowed any industry that can show that its current earnings have dropped below 85 percent of its earnings in the best three of four years during the period 1946-49, adjusted to reflect changes in net worth.

The action, taken in Supplementary Regulation 99 to GCPR, covers sales by manufacturers of the following types of glass containers:—(1) New empty glass containers for use in the commercial packaging, packaging, bottling or similar accommodation of products such as, but not limited to, foods, drugs, household and industrial products, chemicals, toiletries and cosmetics, and alcoholic and non-alcoholic beverages; (2) new empty glass containers for use in home canning, and (3) glass prescription ware as defined in SR 88 to GCPR, such as glass containers used by druggists in filling medicinal prescriptions, including graduated and ungraduated bottles, dropper-type bottles, citrate bottles, powder jars, ointment jars, and capsul and tablet vials.

OPS to Give Price Relief If All Makers Show Loss

Adoption of a "product standard" to give price relief to a manufacturing industry if, on the average, it produces a particular product or product line at a loss, was announced by the Office of Price Stabilization April 22. This relief is permitted even though the overall earnings of a particular industry meet the test of the OPS industry earnings standard.

Stated in its simplest form, the product standard requires that the ceiling price for a particular product be high enough to cover the average total cost of producing and distributing that product. In some respects, it eases the burden on sellers imposed by OPS when it interpreted the Capehart formula to require that increased costs be computed on a unit basis. But OPS made it clear that it would exclude any unreasonable, excessive, or improperly allocated costs in adjusting ceilings under the new standard.

Also, it was pointed out, the "product standard" form of relief is to be applied only an industry-wide basis and not to individual firms.

Essential Oils, Drugs, Tallow, Waxes Sought

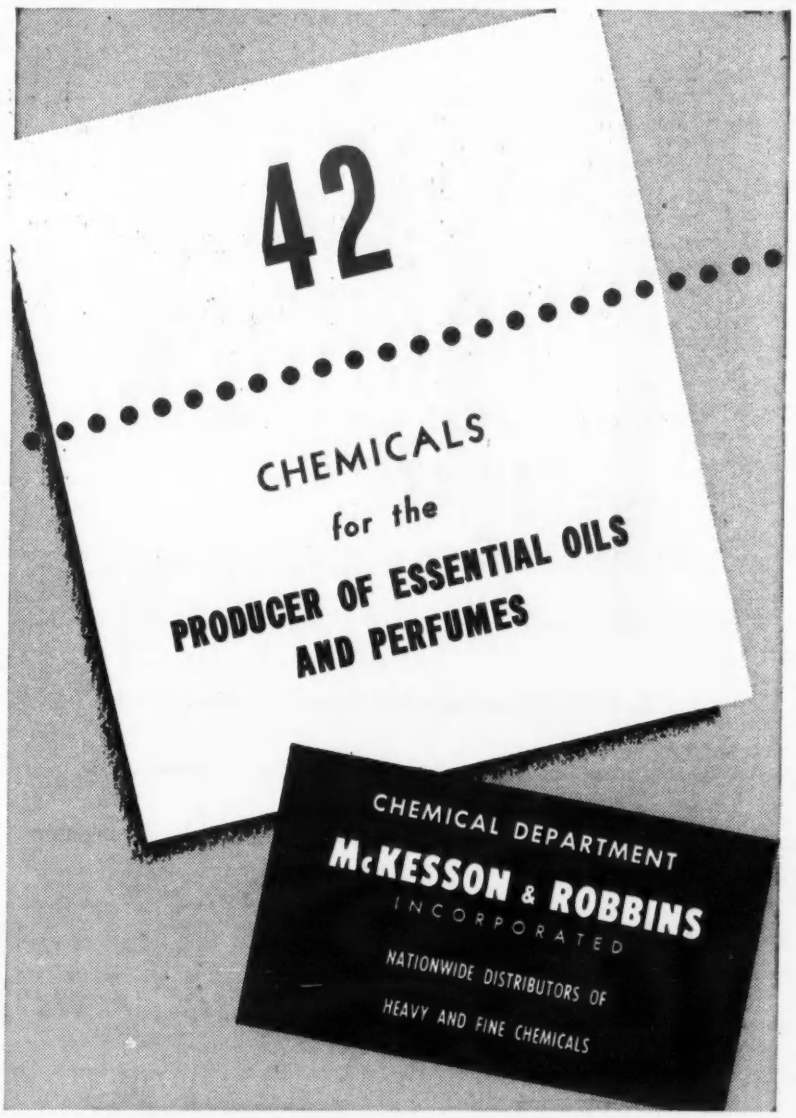
The Mutual Security Agency announced last week that approval has been given for several authorizations for the purchase of essential oils, pharmaceutical preparations and vegetable tallow and waxes by the Netherlands and France. Interested suppliers were advised to make early contact with importers in these two countries for a share in this business.

The essential oils purchasing authorization was issued to the Netherlands and is identified by the number 47-2101-00-2024. It covers the financing of $200,000 of the oils from the United State, including peppermint oil, cedarwood oil, orange oil and grapefruit oil. In another purchase authorization, No. 47-370-00-2240, to the Netherlands, approval was given to financing $100,000 of medicinal and pharmaceutical preparations. The contracting period for both the essential oils and the drugs ends August 31.

France was granted a purchase authorization for vegetable tallow and waxes, except soapstocks, in the amount of $59,000. It covers purchases in the United States or Latin America, and the contracting period for this authorization also ends August 31.

Colton's Polyvinyl Alcohol Plant in Operation June 1

Colton Chemical Company, Cleveland, Ohio, has announced that its new polyvinyl alcohol plant in that city will be in production June 1. The new unit will increase Colton's capacity for producing polyvinyl alcohol to 100,000 pounds per month. At a recent meeting of the company, all officers were reelected, including H. Seymour Colton, president; Harold H. Gorman, secretary, and Bernard H. Krashin, vice-president.



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ACCCE Told of Gains

—Continued from page 5

coating for carton board to be used in the bakery and similar trades.

"Films are needed to readily withstand high sterilization temperatures as flexible substitutes for processed foods now packed in metal and glass. A package with the convenience and economy of a bag and the oxygen impermeability of a tin can is also looked for—particularly by the coffee industry.

"Work is being done on all these problems and in some rapid strides are being made. But, of course, the packaging man still looks for utopia where he can put his product in an easy-opening package that looks attractive, protects against all atmospheric extremes, and will withstand the roughest handling. This package must be produced on a machine that is trouble free and completely automatic.

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Processing of Foods

Dr. Bernard L. Oser, director of the Food Research Laboratories, Long Island City, N. Y., read a paper on "The Effect of Processing Conditions on the Nutritive Values in Foods," and presented a table summarizing various conditions of exposure or treatment to which foods are subjected and how each of them may affect the nutritional components of food.

"A casual inspection of this table might give the impression that most, if not all, of the value of food is lost in its preparation," declared Dr. Oser. "This, of course, is not so. It is essential to bear in mind that the losses with which we are here concerned are a matter of degree only, and that knowledge of the factors concerned in such losses has made it possible to reduce and control them, at least in commercial production."

Dr. Erwin Di Cyan, of Di Cyan & Brown, New York, the third and last speaker, chose as his topic "Facts, Fads and Fallacies in Foods." He exposed as fallacious a long list of time-honored food axioms—e.g., pickles and ice cream are harmful when served together—and, by scientific detail, proved the uselessness of the majority of currently popular health and weight diets.

Proprietary Association

—Continued from page 7

will talk on "Clinical Research and the Pharmaceutical House."

That evening, both the foreign trade and ethanol committees are scheduled to meet. William E. Koerting, chairman of the foreign trade group, will preside at that session, while Warren Roberts, chairman of the ethanol committee, will preside over the latter meeting.

Second General Session

The second general session, slated the morning of May 23, will get under way with reports of the foreign trade committee, the scientific section-veterinary committee and the ethanol committee presented by Mr. Koerting, Dr. Grote and Mr. Roberts, respectively. E. T. T. Williams, the Lambert Company, will speak on the "Proprietary Industry of the Future from a Manufacturer's View." Dr. M. H. Seevers, professor of pharmacology, University of Michigan School of Medicine, will discuss the "Proprietary Industry of the Future from a Pharmacologist's View." Dr. Robert T. Stormont, Council of Pharmacy and Chemistry, American Medical Association, will talk on the "Proprietary Industry of the Future from a Physician's View," while James F. Hoge, Proprietary Association counsel, will cover the "Proprietary Industry from an Attorney's View."

Congressman O'Hara to Speak

The third general session, to be held the morning of May 24, will start off with reports of the auditing and transportation committees, the latter to be presented by George Griffith, chairman of that group. James Braun, chairman, will give the nominating committee report. Charles V. Doerr, president of the National Wholesale Druggists Association, will speak on a topic to be announced later. Dr. Frederick J. Cullen, executive vice-president of the Proprietary Association, will present his report. Concluding guest speaker will be Representative Joseph P. O'Hara, of Minnesota. Final item of business will be the election and induction of officers.

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Insecticide, 52,140 gals. airplane spray, Navy Purchasing Office, 111 E. 16th St., N. Y. 3, N. Y., inv. 567, May 8; Fed. Supply Service, Rm. 7120, 7th & D Sts. S.W., Wash. 25, D. C., pyrethrum, extract, inv. 2 MO-508-2R, May 7; 90 lbs. pyrethrum extract, inv. 2 M-9598-2-R, May 7.

Mercury, 12,528 1-lb. bots., Armed Services Med. Procurement Agency, 84 Sands St., Bklyn 1, N. Y., inv. 1467, May 2.

Paint and Allied Products, 130 gals. chlorinated rubber, instrument gray, 2,370 gals. vinyl resin, 100 gals. vinyl alkyd topcoat, 120 gals. chlorinated rubber white, 130 gals. chlorinated rubber yellow gray, Phila. Navy Yard, Phila., Pa., inv. 520-1369, May 6; 650 gals. lacquer red, 2,200 gals. thinner, 1,925 gals. xylene, Frankford Arsenal, Bridesburg, Phila. 37, Pa., inv. 933, May 5; 168,000 gals. textile preservative compound, solvent type, pigmented, N. Y. QM. Procurement Agency, 111 E. 16th St., N. Y. 3, N. Y., inv. 1600, May 22; 3,034 gals. enamel, 1,976 gals. concrete floor paint, 1,265 gals. turpentine, Gen. Services Adm., Business Service Center, 575 U. S. Courthouse, Chicago 4, Ill., inv. 51833, May 7.

Potassium nitrate, 24,652 lbs., N. Y. Chem. Procurement Dist., 180 Varick St., N. Y. 14, N. Y., inv. 72, May 5.

Soda ash, 50,000 lbs., Fed. Supply Service, 1114 Commerce St., Dallas, Tex., FW-21819, May 6.

Sulphur, 19,900 lbs. ground, N. Y. Chem. Procurement Dist., 180 Varick St., N. Y. 14, N. Y., inv. 73, May 5.

Trisodium phosphate, 2,257,000 lbs., N. Y. QM. Procurement Agency, 111 E. 16th St., N. Y. 3, N. Y., inv. 1545, May 15; 16,000 lbs., Fed. Supply Service, 1114 Commerce St., Dallas, Tex., inv. 21836, May 8.

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593 bgs, Spencer Kellogg, Cape Haitien
308 bgs, Chase National Bank, Port Au Prince
OIL—100 dms, Hardesty Chemical Co, Calcutta
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50 dms, W R Grace & Co, Paita
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CHINA CLAY—896 bgs, English China Clay Sales Corp, Avonmouth
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2 cs, Rhodia Inc, Havre
CINNAMON QUILLS—50 bls, Chevalier & O'Connor, Colombo
175 bls, Volkart Bros, Colombo
CITRONELLA OIL—25 dms, Magnus, Mabee & Reynard, Chilung
10 dms, A Verley & Co, Puerto Barrios
CLOVE OIL—1 dm, Rotterdam
SPICE—310 bgs, Lo Curto & Funk, Marseille
COCONUT OIL—494 tons, E F Drew & Co, Manila
256 tons, Colgate-Palmolive-Peet Co, Manila
500 tons, Pacific Vegetable Oil Corp, Manila
CODLIVER OIL—500 bbls, Arista Oil Products Co, Aalesund
50 dms, Arista Oil Products Co, Aalesund
100 dms, Chas L Huisking & Co, Aalesund
50 dms, Hanover Bank, Kristiansund
22 dms, Rotterdam
COPAL GUM—200 bkts, S Winterbourne & Co, Macassar
97 bkts, Guaranty Trust Co, Macassar
373 bkts, Macassar
COPPER CYANIDE—268 dms, Hanson Van-Winkle Munning Co, Manchester
CORUNDUM ORE—5,620 bgs, C Tennant Sons & Co, Lourenco Marques
CREAM OF TARTAR—400 bgs, Nylos Trading Co, Genoa
CREOSOTE, COALTAR—49 dms, Chemical Bank & Trust Co, Liverpool
CRESYLIC ACID—100 dms, Wm D Neuberg & Co, Avonmouth
80 dms, H A Gogarty, Liverpool
DAMMAR GUM—168 bgs, S Winterbourne & Co, Singapore
96 bgs, O G Innes Corp, Singapore
50 cs, C M Loeb Rhoades, Tandjong Priok
DEXTRIN—250 bgs, Paisley Products Co, Rotterdam
250 bgs, Stein Hall & Co, Rotterdam
180 bgs, Rotterdam
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OIL—10 dms, Lo Curto & Funk, Kobe
11 dms, Sembodja Corp, Chilung
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162 bgs, S B Penick & Co, Kingston
25 bgs, C T Wilson & Co, Kingston
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56 bgs, Landes & Balint, Kingston
58 bgs, Kellys America Ltd, Kingston
GLANDS—100 cs, F J Benkart, Durban
OX—61 cs, Schieffelin & Co, Buenos Aires
GLUE—166 bgs, Overseas Buyers Service, Buenos Aires
FISH—3 bbls, Harry Dixon & Sons, Kristiansund
STOCK—214 bdls, John Govers, Barranquilla
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GYPSUM—10,220 tons, U S Gypsum Co, Hantsport
306 bgs, L A Salomon & Co, Liverpool
HOOFMEAL—1,056 bgs, Elbert & Co, Buenos Aires
IODINE—164 kgs, Antony Gibbs & Co, Tocopilla
IRON OXIDE, RED—15 cks, J H Rhodes & Co, Liverpool
KARAYA GUM—307 bgs, Stein Hall & Co, Bombay
307 bgs, Dodwell & Co, Bombay
153 bgs, Innis Speiden & Co, Bombay
128 bgs, Wm M Allison & Co, Bombay
123 bgs, Tragacanth Importing Corp, Bombay
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LAVENDER FLOWERS—30 bls, S B Penick & Co, Marseilles
LEMON OIL—20 hf cs, Givaudan Corp, Messina
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MANGROVE EXTRACT—1,200 bgs, Saxe Cutch Corp, Sandakam
MENTHOL—28 cs, Uno Shipping Co, Rotterdam
METACRESOTINIC ACID—16 dms, Geigy Co, Liverpool
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80 bgs, A C Israel, Mangalore
80 bgs, A G Dunn, Mangalore
80 bgs, East India Trading Co, Mangalore
80 bgs, Bank of India, Australia & China, Cochin
80 bgs, Laudwig Mueller & Co, Cochin
80 bgs, J Berlage, Cochin
160 bgs, Irving Trust Co, Cochin
160 bgs, Bank of N Y & Fifth Ave, Alleppey
160 bgs, Volkart Bros, Alleppey
40 bgs, Brown Bros, Alleppey
240 bgs, Littlejohn & Co, Cochin
160 bgs, A G Dunn, Cochin
80 bgs, Chase National Bank, Cochin
160 bgs, Nederlandsche Handel, Cochin
160 bgs, First National Los Angeles, Cochin
320 bgs, East India Trading Co, Cochin
880 bgs, Mincing Trading Corp, Cochin
80 bgs, Joensson & Cross, Bombay
160 bgs, P Billinhart, Bombay
80 bgs, States Grain Corp, Bombay
80 bgs, C Czarnikow, Cochin
160 bgs, Bank of America, Alleppey
80 bgs, Irving Trust Co, Alleppey
384 bgs, Nederlandsche Handel, Alleppey
788 bgs, Volkart Bros, Cochin
80 bgs, A C Israel, Cochin
80 bgs, Virchand Panchand, Cochin
320 bgs, Joensson & Cross, Cochin
80 bgs, Otto Gerdau, Cochin
160 bgs, Munn & Jenkins, Genoa
160 bgs, North American Continental Co, Antwerp
1,460 bgs, Alleppey
PEPPER, WHITE—62 bgs, Internatio Rotterdam, Singapore
33 bgs, Mutual Spice Co, Singapore
64 bgs, Borneo Sumatra Trading Co, Singapore
22 bgs, Van Norden & Co, Rotterdam
PERU BALSAM—2 dms, Wessel Duval & Co, Cristobal
PETROLEUM, CRUDE—25,704 bbls, Shell Oil Co, Curacao
181,226 bbls, Esso Standard Oil Co, Cartagena
56,811 bbls, Cities Service Oil Co, Tampico
120,000 bbls, California Refining Co, Puerto La Cruz
202,710 bbls, California Refining Co, Sidon
250,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
PHENYLMETHYLAMINO PROPANOL — 48 cks, Antwerp
PIMENTO LEAF OIL—3 dms, Fritzsche Bros, Kingston
POLLACKLIVER OIL—90 dms, Albumina Supply Co, Yokohama
108 dms, Consumers Import Co, Yokohama
50 dms, National City Bank, Yokohama
50 dms, Van Gelderfanto Corp, Yokohama
55 dms, Arista Oil Products Co, Yokohama
20 dms, Bank of California, Yokohama
20 dms, Transocean Commerce Inc, Yokohama
POPPY SEED—2,600 bgs, Atlanta Trading Corp, Gdynia
POTATO STARCH—1,400 bgs, Stein, Hall & Co, Antwerp
453 bgs, Rotterdam
POTASSIUM CITRATE—44 cs, Chas Pfizer & Co, Calcutta
22 ctns, Chas Pfizer & Co, Calcutta
QUEBRACHO EXTRACT—2,239 bgs, River Plate Import & Export Corp, Buenos Aires
14,500 bgs, Tanimex Corp, Buenos Aires
11,517 bgs, First National Boston, Rotterdam
827 bgs, L Loper, Rotterdam
RUTIN—3 cs, Commercial Banking Co of Sydney, Melbourne
SAGO FLOUR—559 bgs, Stein, Hall & Co, Singapore
SANDALWOOD—100 bgs, Dodge & Olcott, Bombay
100 bgs, George Luaders & Co, Bombay
5 dms, Brown Bros, Rotterdam
SCHEELITE ORE—222 bgs, National City Bank, Leixoes
SEEDLAC—150 bgs, C C Ryder & Co, Bangkok
250 bgs, United Shellac Corp, Bangkok
200 bgs, Mantrose Corp, Bangkok
201 bgs, Gillespie-Rogers-Pyatt, Kohsichang
100 bgs, Flora Lac Co, Kohsichang
250 bgs, Mac-Lac Co, Kohsichang
600 bgs, Mantrose Corp, Calcutta
400 bgs, C H Timm, Calcutta
500 bgs, Gillespie-Rogers-Pyatt, Calcutta
200 bgs, United Shellac Corp, Calcutta
100 bgs, Schwab Bros, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Haeuser Shellac Corp, Calcutta
300 bgs, Ralli Bros, Calcutta
134 bgs, Haeuser Shellac Co, Kohsichang
SESAME SEED—3 bgs, Louis Furth, Cristobal
2,620 bgs, Independent Halvah Co, Cristobal
500 bgs, Wm G Scarlett & Co, Cristobal
468 bgs, W R Grace & Co, Cristobal
200 bgs, Archibald & Kendall, Cristobal
20 bgs, A Sahadi & Co, Cristobal
SHARKLIVER OIL—50 dms, Girard Trust Co, Yokohama
48 dms, Consumers Import Co, Yokohama
SHELLAC—200 bgs, Flora Lac Co, Kohsichang
100 bgs, Corn Exchange Bank, Kohsichang
50 bgs, C H Timm, Calcutta
50 bgs, Flora Lac Co, Calcutta
200 bgs, Gillespie-Rogers-Pyatt, Calcutta
14 dms, F H Paul & Stein Bros, Hamburg
WAX—21 bgs, Dings & Schuster, Bremen
SIENNA—150 bgs, Grace National Bank, Leghorn
SOAP BARK—104 bls, S B Penick & Co, San Antonio
SOLELIVER OIL—2 dms, Consumers Import Co, Yokohama
TALC—2,625 bgs, Charles Mathieu, Genoa
TAR ACID—100 dms, Concord Chemical Co, Manchester
TARTARIC ACID—200 bgs, Nylos Trading Co, Genoa
TEAWASTE—1,792 bgs, Maywood Chemical Works, Calcutta
4,741 bgs, Citro Chemical Co, Calcutta
9 chts, A M Goldstein, Avonmouth
THYME LEAVES—125 bls, Seeck & Kade, Marseilles
TOLU BALSAM—5 dms, Norda Essential Oil & Chemical Co, Puerto Barrios
15 cs, Wessel Duval & Co, Aruba
200 cs, Barranquilla
TRIMETHYLXANTHIN—111 cks, Antwerp
TUNU GUM—254 cs, L A Dreyfus Co, Cristobal
TURMERIC ROOT—71 bgs, S B Penick & Co, Nicaro
71 bgs, Corn Exchange Bank & Trust Co, Nicaro
80 bgs, Mincing Trading Corp, Cochin
280 bgs, Alleppey
ULTRAMARINE BLUE — 50 bbls, Fenzandie & Sperrle, Rotterdam
UREA—1,000 bgs, Chemical Mfg Co, Manchester
VANILLA BEANS—109 cs, George Uhe & Co, Marseilles
10 cs, Zink & Trieste, Tandjong Priok
VERMICULITE ORE—204 tons, Vermiculite Industrial Corp, Lourenco Marques
623 bgs, Vermiculite Industrial Corp, Lourenco Marques
VETIVER OIL—3 dms, Norda Essential Oil Chemical Co, Port Au Prince
1 dm, Bernard Pieter Co, Tandjong Priok
WATTLE BARK—353 bls, Olson Sales Agency, Durban
4,076 bls, Hammond & Carpenter, Durban
EXTRACT—10,344 bgs, River Plate Import & Export Corp, Durban
3,098 bgs, Olson Sales Agency, Durban
6,835 bgs, Olson Sales Agency, Mombasa
WHITING—1,218 bgs, Pluess Staufer, Antwerp
WOLFRAMITE—282 bgs, First National Boston, Lisbon
WOLFRAM ORE — 408 bgs, Wah Chang Corp, Bangkok
112 bgs, National City Bank, Hong Kong
244 bgs, National City Bank, Leixoes
340 bgs, Continental Ore Co, Vigo
410 bgs, Lisbon
WOOL GREASE—253 cs, Gallard-Schlesinger, Yokohama
23 dms, Gallard Schlesinger, Yokohama
47 dms, N I Malmstrom, Fremantle
77 dms, N I Malmstrom, Manchester
289 dms, N I Malmstrom, Rotterdam
PITCH—275 bbls, Trades Service Corp, Manchester
ZINC CHLORIDE—40 dms, Lo Curto & Funk, Antwerp
CYANIDE—89 dms, Hanson Van-Winkle Munning Co, Manchester

Baltimore

BONEMEAL—2,500 bgs, American Agricultural Chemical Co, Calcutta
1,200 bgs, D C Andrews, Liverpool
2,174 bgs, Genoa
CELERY SEED—55 bgs, Baltimore Spice Co, Marseilles
COPRA MEAL—896 bgs, Pacific Vegetable Oil Corp, Manila
FISHMEAL—1,819 bgs, W R Grace & Co, San Antonio
1,579 bgs, Wessel Duval & Co, Talcahuano
MANGANESE ORE—1,000 tons, C Tennant Sons & Co, Manila
1,000 tons, Chase National Bank, Calcutta
1,000 tons, Ore & Ferro Corp, Coquimbo
MANGROVE BARK—1,550 bgs, Kaunitz & O'Brien, Lourenco Marques
PEATMOSS—720 bls, E Dunwoody Co, Bremen
400 bls, S Shapiro, Bremen
QUEBRACHO EXTRACT—1,642 bgs, River Plate Import & Export Corp, Buenos Aires
18,708 bgs, Rotterdam
UREA—3 dms, Silvan Plastics Inc, Rotterdam
WATTLE EXTRACT—563 bgs, American Dyewood Co, Durban
528 bgs, River Plate Import & Export Corp, Durban
2,203 bgs, Durban

Boston

COCONUT OIL—242 tons, Manila
SHELLAC—14 dms, F H Paul & Stein Bros, Hamburg
UREA—1,000 bgs, Chemical Mfg Co, Manchester

Los Angeles

ANTIMONY OXIDE—1,100 bgs, The National Lead Co, Liverpool
BONEMEAL—400 bgs, Seed & Feeding Corp, Liverpool
551 bgs, Atkins, Kroll & Co, Hamburg
CARAWAY SEED—100 bgs, Richard J Spitz, Inc, Antwerp
400 bgs, Richard J Spitz, Inc, Rotterdam
100 bgs, Westco Products, Rotterdam
COPRA CAKE—3,360 bgs, Pacific Vegetable Oil Corp, Manila
2,240 bgs, Balfour Guthrie Co, Ltd, Manila
600 bgs, Balfour Guthrie & Co, Ltd, Cebu
DICALCIUM PHOSPHATE—2,821 bgs, Girard Trust Corn Exchange Bank, Antwerp
GUM ARABIC—89 bgs, W R Grace & Co, Liverpool
KARAYA—142 bgs, Hathaway Allied Products, Bombay
IRON OXIDE—400 bgs, Frank D Davis, Antwerp
825 bgs, Frank D Davis, Rotterdam
LIVERMEAL—336 bgs, Wessel, Duval & Co, Inc, Rotterdam
MAGNESIUM SILICOFLUORIDE—50 bbls, to order, Rotterdam
MILK SUGAR—110 dms, Gallard Schlesinger Chemical Co, Antwerp
MOLASSES—699,845 kilos, Pacific Molasses Co, Topolobampo
PEATMOSS—500 bls, Wilbur Ellis Co, Hamburg
600 bls, Wilbur Ellis Co, Bremen
700 bls, The John Schumacher Co, Bremen
100 bls, W R Wickersham Co, Bremen
200 bls, Plant Food Corp, Bremen
500 bls, Edward J Lang, Bremen
2,500 bls, H V Nootbaar & Co, Bremen
1,700 bls, H M Newhall & Co, Rotterdam
PEPPER, BLACK—80 bgs, A C Israel, Cochin
QUEBRACHO EXTRACT—2,041 bgs, The First National Bank of Chicago, Antwerp
RAPE SEED—100 bgs, Seed & Feeding Corp, Rotterdam
SODIUM BICARBONATE—1,999 bgs, C.M.C. Chemicals Co, Liverpool
SILICOFLUORIDE—258 bgs, Henry Sundheimer Co, Hamburg
WHITING—2,000 bgs, Wesco Waterpaints, Inc, Liverpool

Norfolk

FERTILIZER, LEATHER—927 bgs, Weaver Tankage Corp, Manchester
1,924 bgs, J C Jett, Manchester
399 bgs, Rotterdam
FISHMEAL — 1,097 bgs, Ashcraft Wilkinson Co, Antwerp
SODIUM BICARBONATE—1,994 bgs, Chemical Mfg Co, Liverpool

Philadelphia

ANTIMONY REGULUS—179 cs, C Getlan, Antwerp
ASBETOS FIBER—172 bgs, Phila National Bank, Durban
BONEMEAL—2,204 bgs, Corn Exchange Bank, Antwerp
2,204 bgs, Manufacturers Trust Co, Alexandria
CASTOR OIL—306 tons, Bunge Corp, Santos
101 tons, Bank of N Y, Santos
68 dms, Rohm & Haas, Bombay
181 dms, Recife
FLUORSPAR—2,283 tons, Chas Kurz Co, Rotterdam
508 tons, Corn Exchange Bank, Tunis
810 tons, Durban
FUEL OIL—67,360 bbls, Esso Export Corp, Curacao
150,910 bbls, Shell Oil Co, Punta Cardon
GYPSUM—6,256 tons, U S Gypsum Co, Hantsport
IRON OXIDE — 2,012 bgs, National City Bank, Khorrmshahr
MAGNESITE—4,920 bgs, First National Cincinnati, Rijeka
MANGANESE ORE—9,408 tons, E J Lavine, Matadi
1,979 tons, Eckford Chemical Co, Amsterdam
5,400 tons, E J Lavino, Takoradi
MENTHOL CRYSTALS—250 cs, National City Bank, Santos
MOLASSES—296,153 gals, Puerto Padre
NAPHTHALENE—199 tons, Chase National Bank, Amsterdam
PEATMOSS—800 bls, Halfmoon Mfg & Trading Co, Rotterdam
400 bls, Hanover Bank & Trust Co, Bremen
2,525 bls, Bank of Manhattan Co, Bremen
600 bls, E J Lang, Bremen
5,700 bls, Bremen
PETROLEUM, CRUDE—109,970 bbls, Gulf Oil Co, Las Piedras
196,384 bbls, The Texas Co, Sidon
101,000 bbls, Atlantic Refining Co, Puerto La Cruz
110,467 bbls, Socony Vacuum Oil Co, Puerto La Cruz
121,085 bbls, Socony Vacuum Oil Co, Covenas
171,161 bbls, Gulf Oil Co, Puerto La Cruz
104,291 bbls, Atlantic Refining Co, Las Piedras
PINE OIL—33 dms, Antwerp
QUEBRACHO EXTRACT — 1,252 bgs, Tanimex Corp, Buenos Aires
498 bgs, Buenos Aires
SODIUM BICARBONATE—791 bgs, Manufacturers Trust Co, Manchester
WATTLE EXTRACT—512 bgs, First National Bank, Mombasa
WHITING—1,960 tons, Southwark Mfg Co, London

San Francisco

ANTIMONY ORE—500 bgs, National Lead Co, Liverpool
BONEMEAL—2,205 bgs, Van Water & Rogers, Hamburg
CARAWAY SEED—125 bgs, McClintock Stern Co, Rotterdam
100 bgs, Antwerp
CASSIA—50 bls, H M Newhall, Hong Kong
300 bls, S L Jones, Hong Kong
CASTOR BEANS—125 bgs, Bank of America, Cristobal
313 bgs, Cristobal
CHILLIES—50 bgs, M S Cowen, Kobe
COPRA—500 tons, American Trust Co, Cebu
CAKE—900 bgs, Pacific Vegetable Oil Co, Manila
MEAL—90 tons, Balfour Guthrie, Manila
FISHLIVER OIL—50 dms, Harper Robinson, Yokohama
6 dms, National City Bank, Yokohama

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GYPSUM—9,309 tons, Kaiser Gypsum Co, San Marcos
LIVERMEAL—784 bgs, Wessel Duval, Rotterdam
MILK POWDER—1,290 ctns, Western Dairy Products, Auckland
2,688 bgs, Western Dairy Products, Auckland
PETROLEUM, CRUDE—12,774 tons, Standard Oil Co, Miri
POPPY SEED—350 bgs, B C Ireland, Rotterdam
TANKAGE—160 bgs, Balfour Guthrie, Auckland
1.09 bgs, Tupman Thurlow, Auckland
TAPIOCA FLOUR—1,300 bgs, Geismar & Co, Santos
VANILLA BEANS—60 cs, Williams Dimond & Co, Papeete
20 cs, American Trust Co, Papeete

Obituaries

C. Laurence Warwick

C. Laurence Warwick, executive secretary of the American Society for Testing Materials, and its administrative head since 1919, died April 19 in Philadelphia. He was sixty-two years old.

Mr. Warwick had been active in the society since 1919, when he graduated from the University of Pennsylvania in civil engineering. While he was an instructor and assistant professor at the university, he also served as assistant secretary of ASTM with Dr. Edgar Marburg, the society's founder secretary. In 1919, on the death of Dr. Marburg, Mr. Warwick was appointed secretary-treasurer (chief executive officer) and in 1946 became executive secretary.

L. J. Armstrong, traffic manager of Parke, Davis & Co., Detroit, Mich., died April 23 in Wyandotte, Mich. He was sixty-four. Mr. Armstrong would have celebrated his thirty-fifth anniversary with Parke, Davis on May 1.

Christian W. Glenz, president of the Northwestern Pine Tar Company, died April 19 at his home in Chicago. He was seventy-three years old. Mr. Glenz had been president of Northwestern Pine Tar since 1922.

Carl O. Nelson, vice-president of the Holmlund Wallpaper & Paint Company, Jamestown, N. Y., died April 17 in Cleveland, Ohio. His age was fifty-nine.

Garnett C. Skinner, general manager and vice-president of the Scholl Manufacturing Company, Chicago, died April 19 in St. Petersburg, Fla. He was sixty-three years old.

John R. Thompson, vice-president of George A. Kelly Company, Pittsburgh, Pa., died April 23 in that city.

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Botanical Drugs, Spices, Gums

Trading in botanicals continued light last week. Except for items usually subject to an expansion in sales during the Spring months, demand was relatively small, occasional rather than sustained, and usually confined to jobbing requirements. Even seasonal items came in for less than a normal request. For the most part, it appeared that consumers' inventories were sufficient at least for present requirements and since new crops will soon be reaching primary market warehouses, there was little to stimulate buying beyond jobbing size. Most botanical drug prices held steady, an exception being ipecac root which was reduced. Flavoring botanicals were weak and subject to price shading when trading took place under competitive circumstances. The market index remained at 216.8.

Ginger root continued to seek a stable price foundation and a certain amount of price shifting up and down was evidence of the search for basic stability. A move to that end took place in Jamaica where definite floor prices were announced. Suppliers felt that more orderly prices would develop when substantial demand is resumed.

Cape aloe was in better supply and lower cost and spot quotations became lower. Curacao gum remained as tight as ever. However, less complaint about the quality of aloe was noted and to that extent the whole group showed improvement.

Clove spice resumed major strength and Madagascar material advanced readily on better buying. Cassia buds were reported increasingly scarce on spot and brought more money. New crop prices on Montana mustard seed were lower on contract and for September-October shipment. Star anise was once more available out of spot stocks but only at higher prices.

Balsams

Fir—Sellers in this market awaited Canadian advices with respect to both offerings and prices on Canada fir balsam. New crop should be reaching the market in the not distant future. Information from London noted spot goods available at about $4.54 per pound (32s 6d) which would be about $47.25 per gallon in London. Presumably this was old crop merchandise.

Tolu—The market was slightly higher at $4.85 to $5.05 per pound without the basic situation with respect to demand, replacement cost, and supply having changed materially. Supplies on spot appeared ample to meet current needs.

Barks

Sassafras—The market has turned quiet and not much more activity was expected until new crop deliveries to primary market collectors shall begin in volume. A sizable collection of top quality, select bark was desired.

Wild Cherry—The principal interest was in the prospect for new collection. The season is early as yet and it was not certain that a normal supply of labor would bring in the item this year. The carryover from 1951 collection was not very substantial in size.

Beans

Vanilla—The improved demand reported during the past fortnight or so continued last week. Sales volume was fair in size last week and prices turned firmer in most quarters. At least, when it came to top quality beans, the former tendency toward price shading seemed to have disappeared. Mexican bean prices underwent no further decline and, on the whole, appeared to be steadier throughout the entire week. Foreign market price ideas on Bourbon beans continued to display firmness.

Flowers

Chamomile — Undertones were very steady. Prices in foreign markets lacked change or tendency toward unsettlement while on spot they were well maintained and were backed by moderate stocks in most quarters. So far as ascertained, no importations have taken place for some time.

Saffron—Jobbing business in Spanish flowers gained slightly last week but most buyers traded close to actual requirements. Prices were declared to be steady in the absence of any current tendency toward shading of values regardless of the size of orders.

Gums

Aloe — The situation with respect to Curacao gum has not improved much, if any. Arrivals are not generally satisfactory in that much of the incoming gum is soft and soggy instead of hard, brittle, and glossy. On the other hand, restocks of Cape aloe have brought a better quality of merchandise to this market and it was available at the lower price of 35c. to 36c. per pound for whole and 40c. to 41c. for powder. The quality of most Socotrine aloe was said to be very poor.

Benzoin—Quality of Sumatra gum on this market has improved sufficiently to make most offerings acceptable to manufacturing consumers. Prices were declared to be steady.

Herbs and Leaves

Deer Tongue—This item has been neglected for a considerable period of time. Hence, when business developed last week it came as a surprise and found some quarters disposed to shade previous prices. Following the transactions around 35c. per pound, the market was returned to 37c.

Lobelia—Not much activity was expected to develop until new crop shall begin to move to market—which time is some distance away. Meanwhile, both demand and price seemed to be about nominal. If anything, local quotations might be shaded moderately in anticipation of buying 1952 crop at lower prices.

Sage—Cretan material was a fraction higher at 12½c. to 13c. per pound. Greek was shaded to 12½c. to 13c. and Italian officinalis was reduced rather sharply to 23c. to 24c. in the absence of more than occasional interest. Dalmatian held steady at 58c. to 59c. per pound.

Thyme—French was slightly higher at 21c. to 22c. per pound, price depending on quality. Spanish leaves were back to 8c. to 8½c. per pound. Immediate consuming interest in French leaves was at low ebb. The next large business will develop when the large requirements of one cough remedy manufacturer are covered. Covering has begun, 125 bales from Marseilles reaching here last week.

Miscellaneous

Papain—It was pointed out last week that powdered papain described as being

Market Trends

Prices Advanced

Drugs

Ginger, African, spot, ½c. per lb.
shipment, 1c. per lb.
Cochin, unbleached, shipment, 1c. per lb.
Jamaica, No. 3, shipment, 1c. per lb.
Tolu, balsam, 5c. per lb.

Other Articles

Anise, star, 5c. per lb.
Cassia buds, 1c. per lb.
Clove, Madagascar, 2c. per lb.
Pepper, black, spot, 7c. per lb.
Sage, Cretan, ½c. per lb.
Thyme, French, 1c. per lb.
Spanish, ¼c. per lb.
Turmeric root, Madras, ½c. per lb.

Prices Reduced

Drugs

Aloe, Cape, 5c. per lb.
powder, 10c. per lb.
Ginger root, Jamaica, No. 2, spot, 2c. per lb.
shipment, ½c. per lb.
No. 3, spot, 1c. per lb.
Ipecac root, 25c. per lb.

Other Articles

Cardamom, decorticated, Guatemalan, 5c. per lb.
Cassia, China, broken, ¼c. per lb.
Celery seed, French, ½c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
Coriander seed, Czech, ½c. per lb.
Morocco, ½c. per lb.
Mustard seed, new crop, Montana, brown 1c. per lb.
oriental, 1c. per lb.
yellow, 1c. per lb.
Nutmeg, East India, splits, 1c. per lb.
Paprika, Czech, 3c. per lb.
Pepper, red, Japanese hontakas, 1c. per lb.
birdseyes, 2c. per lb.
Sage, Greek, ½c. per lb.
Italian, officinalis, 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
216.8	216.8	220.4	181.9	229.3

(*For Current Prices see Page 9*)

Imports Detained by FDA

Week Ended April 18

New York

Cloves, 100 bags: filthy.
Coriander seed, 3 lots, 947 bags: filthy.
Moss, 38 bags: filthy.
Nutmegs, 2 lots, 181 bags: filthy.
Sesame seed, 8 lots, 4,578 bags: filthy.

For Late Market Developments, See Page 4

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BUCHU, N. F. IX
COCILLANA
CASCARA SAGRADA, U.S.P. XIV
GENTIAN, N.F. IX
GLYCYRRHIZA, U.S.P. XIV (licorice)
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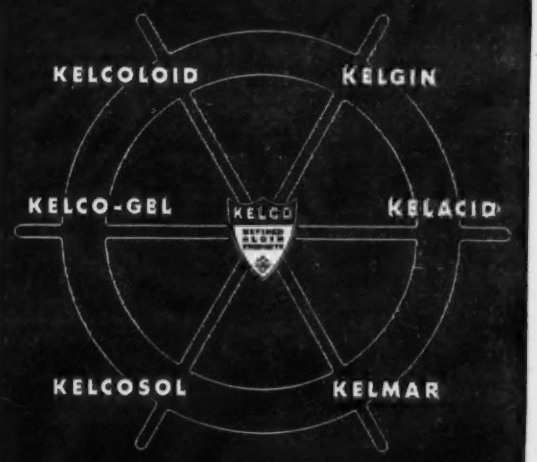

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NF was being offered on spot. If so, the reference was to the NF 8 since papain was deleted from the NF 9. Also, it was said that some Ceylon powder was being offered under two descriptions—light and dark. It was suggested that the only wise way to buy papain is on the basis of guaranteed potency.

Roots

Blood—New crop should be reaching primary market warehouses in fair volume but as yet the influence of collection on price has yet to develop. Buyers have not been much disposed to indicate levels at which they might contract.

Ipecac—Prices on spot eased considerably and at the end of last week, whole root was quoted $6.50 to $6.75 per pound and powder, $6.75 to $7. Not all suppliers were disposed to meet the minimum prices above but replacement market conditions have become sufficiently easier temporarily to be reflected in a lowering of spot levels.

Rhubarb—Indian root met most of the limited demand current last week and prices were considered to be reasonably quiet, yet rather easy. Chinese root was in extremely small supply and was held at prices likely to discourage much buying interest at this time, considering the price at which Indian root has been continuously available for some time past.

Turmeric—Indian root has become available at such low prices that interest in Haitian and Jamaican root has practically disappeared on spot. In fact, some difficulty was experienced in getting quotations on those varieties. Madras root was slightly higher at 10c. to 10½c. per pound, at which level Alleppey root was also available.

Seeds

Anise—The only change developed was a rise in quotations for star anise to 80c. per pound when that item again became available out of spot stocks.

Cardamom—This group had but one change. Guatemalan decorticated seed was reduced to $3 to $3.05 per pound and stood level with the produce of Alleppey. Bleached and green cardamom held free of change.

Celery—French seed was shaded to 33½c. to 34c. per pound. Indian remained unchanged at 28c. to 28½c. Both were subject to jobbing request only.

Coriander—Czech seed was reduced to 8c. to 8½c. per pound and Moroccan was down to 7½c. to 8c. Argentine seed remained at 8½c. to 9c. but holders might shade under competition.

Mustard—Prices on new crop Montana seed were lowered. Brown was 7c. per pound; oriental, 7c.; and yellow, 10c. These prices were for seed to be available under contract for September-October shipment.

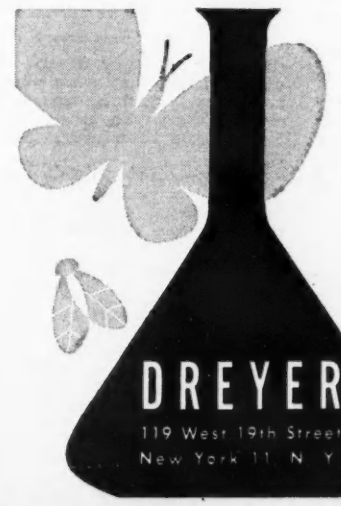
Spices

Cassia—Demand for whole roll and broken cassia was very light. Broken China cassia was a fraction lower at 17¼c. to 17½c. per pound. All other varieties of cassia remained unchanged in a dull market. Cassia buds strengthened and sold at 31c. to 32c.

Cinnamon—Competition in local circles shaded prices to 24½c. to 25c. per pound for the No. 2 Ceylon spice.

Clove—Madagascar spice turned much firmer and ended last week higher at 85c. to 85½c. per pound. A price of 85c. for

—*Continued on page 69*



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Essential Oils, Other Aromatics

Business activities in the essential oils and aromatic chemicals market was said to have been routine during the past week. No rush of orders was reported, but there was a steady call for small quantities of oils and aromatics. Only one item was advanced in price and that was merely an adjustment of the quotation made by a single dealer for the 30-32 percent ester grade of French lavender flower oil. Slight price reductions occurred in native cananga, 40-42 percent grade lavender flower, spike lavender, lemongrass, lime and patchouli oils. One dealer could also offer Ceylon citronella oil at a lower price. Influenced by the weakness of citronella oil, its various derivatives were further reduced in price. Included in this group were citronellal, citronellol, geraniol, geranyl acetate and hydroxycitronellal. Eugenol was slightly lower in some quarters, although it remained very light. Safrol declined quite a bit, reflecting the easy position of the oils from which it is derived. Other reductions were made in the prices of terpineol and terpinyl acetate. The price index moved up slightly by 0.2 point to 201.5.

The situation of the aromatic derivatives of citronella oil was most favorable to the consumer. There was a plentiful supply of all types and production could be accomplished without difficulty from the large stocks of the low priced oil. Quotations for these aromatics were currently lower than they have been in many years. In some cases they were lower than any reported since the beginning of World War II. According to producers, the reasonable prices of the materials have done much to stimulate the interest of buyers and a large volume of sales was reported.

Market Trends

Prices Advanced

Lavender flower oil, 30-32%, 50c. per lb.

Prices Reduced

Cananga oil, native, 50c. per lb.
Citronella oil, Ceylon, 9c. per lb.
Citronellal, 25c. per lb.
Citronellol, 15c. per lb.
Eugenol, 15c. per lb.
Geraniol, extra, 15c. per lb.
standard, 10c. per lb.
Geranyl acetate, 15c. per lb.
Hydroxycitronellal, 40c. per lb.
Lavender flower oil, 40-42%, 75c. per lb.
spike, 10c. per lb.
Lemongrass oil, 5c. per lb.
Lime oil, distilled, Mexican, 15c. per lb.
Patchouli oil, 25c. per lb.
Safrol, 23c. per lb.
Terpineol, prime, 3c. per lb.
Terpinyl acetate, extra, 6c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
201.5	201.3	191.2	132.7	227.9

(For Current Prices see Page 9)

Essential Oils

Almond—Dealers reported there to be a plentiful supply of this oil readily available to consumers who showed a moderate interest in it. The FPA grade oil was quoted between $2.95 and $3.85 per pound. NF quality oil was priced as low as $2.85 per pound and ranged to $3.75 a pound. Sweet oil ranged from 55c. to 90c. a pound, but it was reported that there were prices as low as 49c. per pound.

Anise—No further change was reported in the price range which stood at $1.70 to $2.20 per pound. The supply was said to be growing smaller as more and more of the material was sold, since no replacements were obtainable. It was reported that China held large quantities of the material which would be readily available to this market at favorable prices, should the Korean war end and normal trade be resumed.

Bay—While there was none too much of this oil available, a lack of activity in the market has kept quotations fairly low. Prices for the various grades ranged from $1.55 to $2.30 per pound. A limited amount of material was available from the source, but the market continued quiet.

Bergamot—This material was still extremely short and continued high in price at $15.75 to $16.50 per pound. Small quantities were offered from the source, but not enough to noticeably change the tight supply situation which has been featured by this market for the past six months.

Cananga—A slight easing was noted in the market prices of this scarce oil. Following reductions reported the previous week, the minimum quotation for the native oil was reported at $9 per pound, an additional decrease of 50c. per pound. Still considerably higher than prices quoted a year and a half ago, consumers felt that the material was too expensive to do much buying.

Citronella — Although the slump in prices was felt to have been checked, one supplier reported Ceylon oil at a new low of 66c. per pound, a decline of 9c. from the previous minimum. Estate quality oil of that origin continued at 75c. to $1.10 per pound. The easy Java-type oil remained unchanged at 60c. to $1.10 per pound. There continued to be a large supply available on the spot market and a rather heavy demand was reported. The various derivatives of the oil were quite reasonable in price.

Clove—The prices quoted for the very small amounts of this oil still to be found on the spot market were advanced to as high as $5.75 per pound, although there was still a nominal quotation at $5 per pound. With the cost of spice still extremely high, American distillers of the oil have been forced to stop production at least until the government decides on the possible change in the price ceiling rules in order to allow a reasonable profit to producers.

Geranium — Shipping prices were said to have gained considerable strength which was reflected in the spot market. The lowest quotation for Bourbon oil was held at $17 per pound. Algerian oil was priced from $16.50 to $26 per pound. While these prices were somewhat higher than those quoted earlier this year they were quite a bit more favorable than any quoted during the past two years. There was a fairly good supply of the oil available on the local market.

Ginger—This market continued to be quite easy during the past week. With the cost of the spice down it was possible for dealers to offer good quantities of the oil at prices of $16.50 to $19 per pound.

Grapefruit—There was very little of this citrous oil to be had either on spot or in the country. The quotations were quite firmly set at $2.25 to $2.60 per pound, depending upon producer. Consumers were particularly interested in the oil at this time for the preparation of summer confections and drinks.

Lavender—An upward adjustment in price made for an advance of 50c. per pound in the minimum quotation of the 30-32 percent grade of French flower oil last week. It was quoted at $4.25 to $5.45 per pound. The minimum quotation for the 40-42 percent grade was lower by 75c. per pound at $5.75 per pound. It ranged to $8.50 a pound. The spot market was generally quite stable. There were good stocks and a moderate demand. The replacement market, however, was said to be rather strong. Spanish spike oil was lower by 10c. per pound at $1.55 per pound. Supplies were large and relacements could be had without difficulty.

Lemon—This market remained tight and firm with the demand presently greater than the available supply. Prices were strong, domestic oil selling at $5.85 to $6 per pound, according to brand, and the imported Italian oil quoted from $5.85 to $8.20 per pound. It was expected by observers that the firmness would continue throughout the summer season.

Lemongrass—Although it has been reported that replacements were up quite a bit again, there was a single dealer who could offer this material at $1.60 per pound, some 5c. below the previous minimum quotation. Supplies were rather comfortable and a good interest was shown in the oil.

Lime—Limited quantities of this oil were available on the spot market, which displayed a great deal of strength. The new crop was still some time off and the small amount that could be had was priced quite firmly at $7.35 to $8.25 a pound for distilled Mexican oil and $7.50 to $8.50 for distilled oil of West Indian origin. Producers of soft drinks showed a great deal of interest in the oil and could probably use more than was available.

Nutmeg — No change was reported in this market last week. There continued to be a good supply of East Indian oil available at rather favorable prices. Quotations ranged from $3.90 to $4.25 a pound. Spice was plentiful and reasonably priced, providing adequate supplies to distillers. West Indian oil was also fairly easy at $3.70 to $4 per pound.

Orange—The demand for this oil continued to be quite brisk as is usual at this time of year. While there was a good deal of firmness in the market and prices were held at a stable level, it was reported that there was sufficient material available to

For Late Market Developments, See Page 4

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cover the normal requirements of consumers. Quotations for the Californian oil ranged from $1.75 to $2.75 per pound, according to brand. The more plentiful Floridian oil was quoted at $1.75 to $2.25 per pound.

Patchouli—One dealer was able to offer this plentiful oil at $7.50 per pound, 25c. lower than the previous minimum quotation. Other offers ranged to $14.75 a pound. The article was reported to be growing quite a bit stronger at the origin, although the spot market was still rather soft. It was said, however, that there was a slightly greater demand for the oil at the present time.

Peppermint—This remained a very steady market. Prices have been unchanged for many months and stocks were still available to cover the limited demand. The next crop will come due toward the end of the summer and observers in the trade felt that the carryover from last year would be adequate to cover any orders until that time.

Spruce—No change occurred in the market quotations for this oil which stood at $2.20 to $3.15 per pound. There was a limited supply available and prices being asked in the country for replacements were felt to be rather high. It was explained that labor costs have made necessary the strengthening of prices at the source.

Wormwood—Very little business was done in this market, according to dealers. There was only a small amount of oil available and that was held at prices of $6 to $7.50 per pound. Replacements did not appear to be easily obtainable and little information was available from the source concerning the next crop.

Aromatic Chemicals

Citronellal—Because of the extreme weakness of the citronella oil market, this derivative has again been reduced in price. It dropped an additional 25c. per pound to a new low price of $1.65 per pound. There was a great deal of material available and consumers showed quite a bit of interest in the item.

Citronellol — Another of the citronella oil derivatives, this aromatic was further reduced last week by 15c. per pound to a minimum of $2.15 per pound. It ranged to $2.70 per pound. There were comfortable stocks available and production could be accomplished without difficulty.

Eugenol—This tight article was quoted between $3.80 and $4.25 per pound last week. Because of the scarcity of clove oil and the high cost of the spice, there was not too much of this material to be found on the market.

Geraniol — Reductions occurred in the market prices of both standard and extra grades of this important aromatic last week. The former dropped 65c. per pound to a new low price of 75c. per pound. It ranged to $1.80 a pound. The latter showed a decline of 15c. per pound at $1.65 to $2.40 per pound. There were large quantities available and production was facilitated by the abundance of low-priced citronella oil.

Geranyl Acetate—A drop of 15c. per pound occurred in the price of this citronella oil derivative last week. It was quoted between $1.65 and $2.40 per pound. Supplies were ample and a rather good demand was reported. The soap grade was also reduced to $1.50 per pound.

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matics which are based on citronella oil for their production, this article was lower last week. It was quoted from $6.30 to $7.50 per pound, a decline of 40c. per pound in the minimum quotation. These prices were the lowest quoted for more than two years. Stocks were large and a good deal of interest was shown by buyers.

Safrol—The ease of the raw materials market has been reflected in the price situation of this aromatic. One supplier was able to offer it at a low price of 72c. per pound. This was a decline of 23c. per pound from the previous minimum. There was a good supply available and a steady demand was reported.

Terpineol—An indication of the supply situation of this material was a reduction in the price of the prime grade to a low of 36c. per pound last week. Other quotations ranged from 39c. to 43c. per pound. The extra grade was unchanged at 48c. to 50c. per pound. It, too, was in good supply.

Terpinyl Acetate—One producer of this material reduced the price of the extra grade to 55c. per pound, a drop of 11c. per pound. It ranged to 70c. a pound. No change occurred in the prime grade, but both types were freely offered and production could be accomplished without difficulty.

Botanical Drugs

—Continued from page 68

shipment from France was also noted. Zanzibar held very firm at 87c. to 88c.

Ginger—Cables from Jamaica noted the adoption of floor prices on this material. The quoted floor prices were:—No. 2, 24c. per pound. No. 3, 23c. Rhattoon, 22c. All were quoted c. & f. Receipt of floor prices in this market did not result in a resumption of buying by consumers. Some shifting of prices quoted by local merchants took place. African root on spot was advanced to 18½c. to 19c. per pound and May-June shipment was up to 20c. Unbleached Cochin root held unchanged on spot at 20c. but for May-June steamer, a higher market developed at 20c. Jamaica No. 3 on spot was down to 25c. to 26c.; April-May steamer, 25c., being higher. Rhattoon, April-May steamer, 23c. to 24c. Nigerian root showed no change in either spot or future position.

Mace—Siauw No. 1 was reduced to 88c. to 89c. per pound. West Indian whole was unchanged at 90c. to 91c.; broken, 72c. to 73c.

Pepper—The spot market tightened last week with the development of short interests in local circles; three importers were said to constitute the short interest at this time. Sellers became reserved and black pepper on spot rose to $1.13 to $1.15 per pound, always subject to confirmation.

Prices advanced in India at times and a firmer undertone appeared to have developed there. April shipment at times was $1.12 to $1.14; May shipment, $1.11 to $1.12; June shipment, $1.05 to $1.06.

Friday quotations on black pepper were as follows:—Spot, $1.12 per pound; April shipment, $1.11; May shipment, $1.06 to $1.07; June shipment, $1.03.

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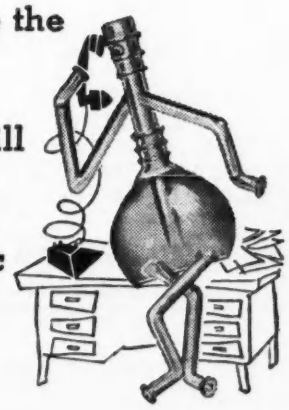

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Protective Coatings Materials

Argentine casein moved downwards last week, but domestic held to former levels. Bleached shellac was lowered although orange grades were maintained. Vermilion red, reflecting the quicksilver reduction, was decreased.

There was still a slowness in the movement of antimony oxide. Supply was adequate and there was also material here from England. Sales of carbon black were fair, with supply ample for requirements. An improvement over the recent past was observed in the call for ultramarine blue. Dry colors showed no change, holding at a normal level of demand, while supply continued up to the market. A fair consumer interest was observed in pure iron oxides, with no falling off from the levels of the recent past. Movement of lead pigments was still fairly slow, although it was hoped that the improvement in the weather would bring with it an improvement in demand.

A good, average level prevailed in demand for pyrophyllite. Supply, however, was on the tight side and one producer said it liked to have thirty days notice on shipments. In the synthetic resins section, a producer of coumarone-indenes reported it found business pretty good, although another stated that the lower activity in coatings and floor tile was being felt in the demand for the resin. Melamines were moving pretty well. Petroleum hydrocarbons continued at an even pace, with a pickup evident in the last three weeks or so.

Polyvinyl acetate and formal resins were not moving briskly, but were, nonetheless, holding up pretty well. Pyroxylin scrap, which eased up at the end of last year, had recently shown a pickup in demand. Production of terpenes was up to normal but there was still a lack of sufficient raw materials. One producer of urea-formaldehydes stated that it had to "go out and fight" for business but that turnover still continued at a pretty good level.

Spottiness continued in the natural gums market. Stocks were adequate but not abundant. Demand for sebacates was holding up well, although it was not equal to that of last year. Putty oil was entirely normal and steady. Stearates, depending on the quarter reporting, were running from fairly steady to very slow.

Market Trends

Prices Advanced

None

Prices Reduced

Casein, Argentine, ½c. per lb.
Red, vermilion, quicksilver, 5c. per lb.
Shellac, bleached, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
215.3	215.3	215.3	173.7	212.8

(For Current Prices see Page 9)

Prime Pigments

Antimony Oxide—The slowness that had been apparent in the demand for some time still prevailed last week. Supply was sufficiently high to take care of the market without any trouble. Material from England was affording competition on the United States market. Prices were unchanged at 44½c. in carloads and 45½c. in less than carloads.

Black, Carbon—Demand was holding at levels that were characterized as only fair. Supply was ample for the requirements of the market and there were no changes in the price structure.

Blue, Ultramarine—Demand was normal, with an improvement noted over the recent past. Consumer inventories have now been established at an average level, it was said. Supply was strong enough to keep up with the customer requirements. Cobalt type, dry or pulp, was at 28c. to 30½c., and regular type, dry, continued at 15c. to 33½c.

Dry Colors—Supply was ample to take care of consumer requirements. Demand continued to hold up at what were called normal levels. There were no changes in the price structure.

Iron Oxides, Pure—Demand was reported to be running about fair, with no falling off from the recent levels. Supply was high enough to fill the requirements of the market comfortably. Prices were holding at the following levels:—11¾c. in carloads and 12c. in less than carloads; brown, 12¾c. in carloads and 13c. in less than carloads; red, 12¼c. in carloads and 12½c. in less than carloads, and yellow, 10c. in carloads and 10¼c. in less than carloads.

Lead Pigments—Sales were still fairly slow. The coming of warmer weather was expected to give them some impetus, however. Enough material continued available to accommodate the market comfortably. Prices were unchanged.

Red, Vermilion, Quicksilver—A 5c. reduction was noted in this item last week. It was influenced by the lowering in the price of quicksilver. Demand was fair and supply good.

Zinc Oxide—Total production in February continued to decline, dropping to 15,093 short tons. It was the lowest monthly rate of output since January, 1950, according to the Bureau of Mines. Total stocks at producers' plants were 30,596 tons, 3 percent higher than at the end of January and the highest since April, 1946. Shipments were 14,115 tons, compared with 13,432 tons in January.

A gain of 4 percent in the production of lead-free material was insufficient to balance a 26 percent loss in output of the leaded product. Sales of lead-free gained 7 percent, whereas leaded sales were 6 percent below last month.

Fillers and Extenders

Pyrophyllite—Demand continued at a good, average level. Supply was on the tight side. One producer said it preferred to have thirty days notice on shipments. There were no changes in the prices.

Synthetic Resins

Coumarone-Indenes—One producer reported that demand was pretty good, but that was not necessarily the condition throughout the industry. Another stated that it reflected the lower activity in the coatings and floor tile industries. One source pointed out that supply, which had been short for years, was now readily available, although it thought that this might be a temporary condition. It had recently been reported that consumers probably have their inventories cut back pretty far.

Melamines—It was said that if the general level of business holds up as of the present time, things will be all right except that there might be a slight easing in June and July. Right now material was reported to be moving pretty well.

Petroleum Hydrocarbons—Business was reported to be running along at a pretty even pace. Inquiries, it was said, had picked up in the last three weeks or so. One producer, who put new facilities into operation several months ago, said it was able to handle the requirements of all comers. Prices were steady and holding.

Polyvinyls—The textile industry continued on the slow side, and this, naturally, had its effect on the demand for the acetate resins. Demand was still not bad and it was hoped that there would be an increase in the summer months. Supply was high enough to take care of the market comfortably and there were no changes reported in the price structure.

The formal resins were not moving briskly and one of the important reasons for this was the slowness in the wire coating industry resulting from the shortage of copper. Producers were not having any trouble with supply.

Pyroxylin Scrap—Demand was at fairly good levels, with no recent falling off. In December it eased up, but since then it has picked up again. Supply was in balance with demand.

Terpenes—One large producer reported that its production was up to normal but that it would take time to get the pipe lines full. The principal reason for this condition, it was reported, was lack of sufficient raw materials. Considerable amounts of the product were still going into the pressure-sensitive adhesives industry.

Urea-Formaldehydes — The volume of business was said to be holding up pretty well. As one producer put it, "We could sell more, but the bottom has not fallen out. We have to go out and fight for business." Supply was high enough to accommodate the market without any pinch. There had been recent reductions in one quarter averaging 2c.

Natural Resins

Spottiness still prevailed in the gums market. It was reported that on one day there might be good activity, only to be followed by a dull day. Most of the or-

For Late Market Developments, See Page 4

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Av. Sp. Gr. at 25° C	1.113
Av. wt per gal.	9.27 lbs.

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dering was for small amounts, with immediate shipment required. This, it was said, indicated that consumer inventories were low. However, all orders were not small, for it was noted that there were some for large amounts.

Recent conditions in the market had not induced importers to carry any great stocks on hand, and for that reason it was thought that any sharp upturn in ordering might put a pinch on supply here. Enough gums were available at the source for current market requirements.

Shellac—Bleached bonedry and refined moved downwards 1c. last week, in a delayed reaction to the lowerings that had been made in the orange grades recently. The oranges, however, held firm during the last five business days, in sympathy with the steadier tone in the India market.

Naval Stores

Dipentene—Output in March totaled 3,260 fifty-gallon barrels, compared to 4,550 barrels in March a year ago, according to the latest report from the Bureau of Agricultural Economics. Stocks at the end of the month this year were 2,940 barrels, while at the end of the comparable period last year they were 2,220 barrels.

Oil, Pine—March production came to 14,110 fifty-gallon barrels, as against 15,200 barrels in the comparable month last year. Stocks at the end of the month were 17,520 barrels, compared with 12,560 barrels during March of 1951. These fig-

Pinetar—The March production, according to the Bureau of Agricultural Economics, amounted to 9,440 fifty-gallon barrels, while during the month last year it aggregated 9,880 barrels. Stocks at the end of the month this year were 9,870 barrels, as against 2,150 at the end of the comparable month of 1951.

Rosin—The Bureau of Agricultural Economics reported that production of gum and wood types in March amounted to 120,830 520-pound drums, compared to 141,380 drums in the comparable period a year ago. Stocks at the end of March of 1951 were recorded at 638,840 drums, while at the end of the month last year they amounted to 419,860 drums.

Turpentine—Total production of gum and wood types in March, according to the Bureau of Agricultural Economics, amounted to 42,820 fifty-gallon barrels. In March a year ago the total was 48,020 barrels. Stocks at the end of March this year were 157,040 barrels, as compared to 94,300 barrels at the comparable time last year.

Rosin Gum
(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
G		7.70D	...	...	
M	7.55B	7.47½D	...	...	7.30B
N				...	7.32½B
WG	7.50D	...	7.52D	...	7.56½D,B
WW, X	7.72D	7.70½D		...	7.57½D,B
		Sales, USDA			
	736D	1,170D	242D	...	439D

Savannah Exchange (per 100 lbs., dms.)

G	...	...	...	7.52	...
H	...	...	...	7.52	...
I	...	...	...	7.52	...
K	...	...	...	7.52	...
M	...	...	...	7.52	...
WG	...	...	...	7.52	...
Sales	...	...	...	94	...
Receipts	198	103	154	162	13
Shpmts	...	...	73	...	...
Stocks	11,386	11,489	10,912	11,074	11,032

New York
(per 100 lbs., c.l., Friday)
B—N, $8.50; WG, $8.55; WW, X, $8.65.

Rosin, Wood
(USDA, per 100 lbs.)

FF	...	6.50D	...	... 6.50D

Turpentine, Gum
(USDA, per gal., 7.2 lbs.)

Price	.52½	.52½	.52½	.53½	...
Sales	22,000G	42,000G	18,000G	40,000G	...

Savannah Exchange (dms.)

Price,gal.	...	...	...	...	...
Sales	...	...	...	...	...
Receipts	151	567	80	21	63
Shipmts.	76	82	218	160	154
Stocks	2,701	3,186	3,048	2,909	2,815

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Sebacates—Demand was not equal to last year, but was still holding up well.

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A year ago the question was when could a producer ship. Today the materials are available for immediate shipment. The various sebacates are still on government allocation, but it was reported that all consumers are receiving 100 percent of their requests. Prices were holding at previously established levels.

Miscellaneous Materials

Casein—Argentine material was ½c. lower at 18c. last week. Domestic held firm. Rennet, from various sources, was without any particular change.

One importer said Argentine demand was very slow. This source said buyers were holding back in anticipation of further decreases in price. Another source, however, stated that business was good and consumers were taking fairly good quantities. The pickup, it was stated, was brought about largely by the fact that consumers had low inventories and needed material. Some were asking for immediate deliveries. Because of the present price and demand situation, it was said that much European milk production would go into milk powder and other edibles this year. Danish prices for shipment were firm. French was running firm to easy. Offerings were modest and demand spasmodic. Holland had little, if anything, to offer. The New Zealand market was steady.

The spurt that had been apparent in demand for the domestic seemed to have leveled off. The flush season was on now but it was thought that producers in this country would not make as much this year.

Putty Oil, Petroleum—Demand was said to be entirely normal and very steady. Supply was termed excellent. Prices were unchanged at 10c. in tankcars, 11c. in carloads and 12c. in less than carloads.

Stearates—Comments on demand ran from fairly steady to very slow. One producer said that the orders were small and were largely for hand-to-mouth purchasing. Supply was reported plentiful all around and there were no changes in the price structure.

Monsanto Plastics Division Advances Miller and Glick

Monsanto Chemical Company's plastics division has announced the appointment of Joshua S. Miller as assistant branch manager of the New York office and Sanford E. Glick as assistant sales manager of thermoplastic molding materials.

Before joining Monsanto two years ago, Mr. Miller had been associated with the Reynolds Spring Company, Jackson, Mich., and Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y. Mr. Glick joined Monsanto in 1941 and was later appointed manager of technical service on thermoplastic molding materials. He worked on the initial research on production of Monsanto's "Lustrex" styrene and on the development of dry coloring of tyrene.

Dewey & Almy Unit Nearly Ready

Dewey & Almy Chemical Company now has facilities in operation at its Acton, Mass., plant for producing high styrene copolymer lactices in volume and a paint latex of superior water and scrub resistance is in the final development stage, the company has announced. In addition to the styrene copolymers, the company now distributes polyvinyl acetate emulsions to the paint industry through R. T. Vanderbilt & Co., New York.

New York Paint Club Elects Officers May 8

The New York Paint, Varnish and Lacquer Association will hold its annual meeting May 8 at the Biltmore hotel, New York. Refreshments will be served at 6:30 p.m., with dinner following at 7 p.m. Feature of the meeting will be the election of new officers. In addition, a vote will be taken on an amendment to the group's by-laws having to do with the association's bulletin.

Standard-Toch Appoints 2 Lab Division Managers

Standard-Toch Chemicals, Inc., Staten Island, N. Y., has appointed John Ostock manager of laboratories of the eastern division and R. G. Gohman manager of laboratories of the western division. Mr. Ostock, who has been in field service, research and development work for a number of years, has contributed a number of technical developments in specialized finishes. Mr. Gohman has done research and development work in coatings for product finishing.

Binney & Smith Adds Wade to Technical Staff

K. S. B. Wade has joined Binney & Smith Company as a member of its technical staff and will be located in the firm's New York laboratories, it was announced last week.

Mr. Wade started his career in research and technical work with C. K. Williams & Co., specializing in application of iron oxides and chromium oxides in the paint, paper and granules fields. Following wartime navy service, Mr. Wade returned to C. K. Williams, where he developed a new process for the manufacture of chromium oxide. Subsequently, he was transferred to sales.

Mr. Wade has also been connected with Diamond Alkali Company in sales promotion work for chlorinated parafins as applied to paints and plastics, and with Titanium Pigment Corporation as a member of its technical staff chiefly concerned with the application of titanium pigments to all types of paints.

Phila.-Wilmington Color Group Will Hear Pike

The Philadelphia - Wilmington Color Group will hold its seventeenth meeting May 8 at 8:15 p.m. at the Philadelphia Museum School of Art, Broad and Pine streets, in that city. Guest speaker will be Ralph E. Pike, special products research supervisor, Marshall Laboratory, E. I. duPont de Nemours & Co., Philadelphia, who will discuss "The Color Standard."

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Aluminum Export Offer To US Modified by Alcan

A modified offer for increasing exports of aluminum to the United States has been received from the Aluminum Company of Canada, replacing an offer by that company which expired on April 18, it was announced April 21 by Defense Production Administrator Manly Fleischmann.

The new offer is similar to that previously made, except that quantities involved are less and the time period is shorter. According to the terms of the new offer, the peak of guaranteed exports would amount to not less than 200,000 short tons per year for the four years 1955-1958, inclusive. The total exports contemplated under the new offer for the years 1952 to 1958, inclusive, would amount to 1,110,000 tons, as contrasted to 1,850,000 tons in the earlier offer, Mr. Fleischmann said.

In addition, Alcan has reduced its request for a guarantee of purchase by the United States government in the event of failure to sell to commercial purchasers, to a total of 450,000 short tons, consisting of a maximum of 50,000 tons in 1954 and a maximum of 100,000 tons in each of the years 1955 to 1958, inclusive.

The original offer contemplated that Alcan would gradually increase its exports during the eight years 1952-1959, so that for the five years 1955-1959 not less than 300,000 short tons per year would be available for sale in this country; with a provision that if the Canadian company could not find commercial purchasers in the United States for the total exports so offered during 1955-1959, the US government would agree to purchase not to exceed 180,000 tons in each of those years at the going American price. The Canadian company agreed to pay the duty on such sales to this country.

Dallas and Houston Paint Technicians to Meet May 3

The Dallas and Houston Paint and Varnish Production Clubs will hold their tenth annual joint meeting May 3 at the Stoneleigh hotel, Dallas, Tex. Present at the meeting will be Hiram Ball, president, and Homer Flynn, executive secretary, of the Federation of Paint and Varnish Production Clubs, both of whom will address brief remarks to the meeting. Ira Bingham, of Synthetic Chemical Company, will discuss "Sotex Dispersing Agents and Their Application." The Houston club will present a paper, which will be followed by a discussion of "Vehicles for Trade Sales and Interior Paints" by Fred S. Byerly, of U. S. Industrial Chemicals Company.

Sun Chemical Organizes New Southwest Division

Sun Chemical Corporation, Long Island City, N. Y., has formed the General Printing Ink Company—Southwest Division, with headquarters at 2506 Tillar street, Fort Worth, Tex The new unit will provide service to printing ink buyers in Arkansas, Louisiana, Mississippi, Oklahoma, Texas and New Mexico, formerly served by Sun's other ink divisions. This group includes the American Printing Ink Company, Chemical Color & Supply Company, Eagle Printing Ink Company, Fuchs & Lang Mfg. Company, E. J. Kelly Company, Geo. H. Morrill Company, and Sigmund Ullman Company. The new division will be under the management of Sid Rochelle.

Paint Industries '52 Show Reservations Being Taken

The prospectus for the 1952 Paint Industries' Show has been released and space reservations are being accepted, the Federation of Paint and Varnish Production Clubs has announced. This year the show will be held at the Palmer House, Chicago, and will open November 18, continuing through November 22. Space available for the show this year is limited to 100 exhibit spaces.

Murtha Heads Coronet Paint

Norman V. Murtha has been named president of the recently organized Coronet Paint Manufacturing Company. Offices are at 1457 Broadway, New York, and the plant is in Brooklyn. The company is marketing a complete line of interior and exterior white paints under the trade name, "Kingpin Architectural Whites."

Plaskon Publishes Alkyds Data

Plaskon Division, Libbey-Owens-Ford Glass Company, has published bulletins on a fiber glass reinforced alkyd resins. Bulletin A-10 discusses the molding of fiber glass reinforced alkyds, while bulletins A-11 and A-12 give the physical properties of "Plaskon 440" and "Plaskon 442." Copies of all three publications are available on request to Plaskon Division, Libbey-Owens-Ford Glass Company, Toledo 6, Ohio.

Trade Briefs

Hanna Paint Manufacturing Company, Columbus, Ohio, has acquired the D. L. Paint Company, Dallas, Texas.

Robert I. Wishnick, Witco Chemical Company, New York, has accepted the chairmanship of the paint and varnish division of the 1952 United Jewish Appeal of Greater New York.

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McDougall-Butler Elects Edw. J. Butler President

McDougall-Butler Company, Buffalo, N. Y., has announced several personnel changes, headed by the election of Edward J. Butler as president, to succeed his father, the late Andrew S. Butler.

Herbert J. Miller has been appointed general manager and re-elected executive vice-president. H. Vernon Smith has been named southern sales director and elected vice-president. Andrew S. Butler, jr., has become secretary-treasurer and director of advertising. Raymond J. Kieber has been elected to the board of directors to fill the unexpired term of the late Mr. Butler and has also been appointed controller.

Zinc Institute Explores

—Continued from page 7

and should find a ready outlet in what he described as "a great latent market."

In reviewing the world zinc situation, Simon D. Strauss, vice-president of American Smelting & Refining Company, said that, according to current estimates, world mine production in 1952—outside the Iron Curtain countries—will amount to 2,418,000 short tons of recoverable zinc as against 2,300,000 tons of primary metallic zinc and the zinc content of oxides and other similar products. This is the first time since 1946, said Mr. Strauss, that world mine production promises to exceed smelter and pigment producers' needs.

All Officers Reelected

Russel B. Caples was reelected president of the institute for a second term. Mr. Caples is manager of the Anaconda Copper Mining Company's operations at Great Falls, Mont. Also reelected for a second term of office were three vice-presidents:—Herman D. Carus, Matthiessen & Hegeler Zinc Company, La Salle, Ill.; Elmer Isern, the Eagle-Picher Company, Miami, Okla., and G. Howard LeFevre, U. S. Smelting, Refining & Mining Co., New York. Erle V. Daveler, American Zinc, Lead & Smelting Company, New York, was reelected treasurer and Ernest V. Gent continues as executive vice-president and secretary.

The following directors were elected for the term ending 1955:—W. C. Bennett, Phelps Dodge Refining Corporation, New York; O. W. Bilharz, Bilharz Mining Company, Baxter Springs, Kans.; H. D. Carus, Matthiessen & Hegeler Zinc Company, La Salle, Ill.; C. M. Chapin, jr., St. Joseph Lead Company, New York; M. L. Havey, New Jersey Zinc Company, New York; R. G. Kenly, the New Jersey Zinc Sales Company, New York; S. H. Levison, American Smelting & Refining Company, New York; George Mixter, U. S. Smelting Refining & Mining Company, Boston, Mass.; R. F. Orr, Athletic Mining & Smelting Company, Fort Smith, Ark., and W. B. Porter, Hegeler Zinc Company, Danville, Ill.

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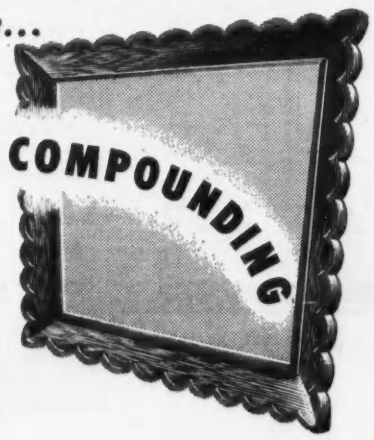

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Oils, Fats and Waxes

Edible vegetable oils developed a firmer tone and became more stable last week. Crude cottonseed, peanut and soybean oils rallied and regained early slight declines, reflecting the strength of futures. Trading in crude peanut oil was active and inquiry for soybean oil also improved. Crude corn oil was easy and declined fractionally. Tallow was stronger and moderate volume of business was transacted in the better grades, which were lifted fractionally. Low grades and greases were inactive and unchanged. Buying interest in most oils and fats continued slow and price declines outnumbered advances. Price index dropped 1.0 point.

Drying oils continued weak and were lower except tung oil. Linseed oil was reduced fractionally, but with competition keen, further price concessions were available for carlot business. Oiticica oil developed an easier tone and quotations also were reduced, without attracting consumers' interest. Dehydrated castor oil was inactive and quotably unchanged, while tung oil advanced fractionally under improved demand for nearby oil. Supplies were not liberal and in firm hands.

Weakness in refined fish oil was accentuated by the lack of buying interest and prices dropped 1 cent per pound. Old crop crude menhaden oil was sold at a reduction of ½ cent per pound for immediate shipment. Interest in new crop menhaden still lagged.

Spasmodic demand for palm oil on spot caused quotations to decline fractionally. No. 1 Brazilian castor oil was easier and off 1 cent per pound.

OPS lifted the price ceiling of soybean meal $7 per ton, effective April 23.

Office of Price Stabilization also suspended price controls on corn, cottonseed and soybean oils, vegetable oils soapstock, lard and inedible tallow and greases, effective April 28. The order also carried provisions for restoring ceilings, if prices advance to certain recontrol points. If ceilings are reimposed the new recontrol prices will prevail on the following oils and fats:—Corn oil, 16½ cents per pound; cottonseed oil, 15½ cents; soybean oil, 14½ cents; lard, 14½ cents and fancy tallow, 9 cents. All these prices are substantially below current market levels.

Cottonseed Oil

Market for bleachable cottonseed oil futures rallied after reaching new season's lows early, registering moderate gains for the week. Trading was active and mixed, the market sustaining rallies. Suspension of price controls on edible oils by OPS effective April 28 had little effect on the market. Trade interests continued to absorb nearby oil against sales of futures which led to the belief that tenders on May contracts would not be as heavy as March oil. Increased inquiry was reported for soybean oil at slightly below the market and sales of about 75 tankcars of crude peanut oil strengthened this market.

Crude cottonseed oil was firmer and regained fractional decline. Offerings were scarcer late in the period and maintained at 10¼c. to 10⅜c. per pound, tankcars, f.o.b. mills in the Southeast and Valley and 10c. Texas.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended April 25 follow:—

	Sales	Cents per pound—High	Low	Close
May	1,162	12.92	12.13	12.79S
July	1,043	13.23	12.47	13.15S
September	943	13.58	12.79	13.50S
October	593	13.72	12.90	13.65S
December	460	13.97	13.10	13.89S
January	1	13.10	13.10	13.90N
March	33	14.14	13.23	14.14S
1953				
May	45	13.45	13.35	14.24B

Total sales, 4,280 tankcars.

Memphis.—Crude soybean oil was sold at 9c. per pound, tankcars, f.o.b. mills. Crude cottonseed oil was 10¼c. bid. Market firmer. Mills offers of cottonseed meal practically dried up. Resellers also offering sparingly. Solvent soybean meal 44 percent available at $97 per ton sacked, Memphis, May-July shipment.

Linseed Oil

Quiet demand and keen competition kept the market weak. Prices were reduced 3/10c. per pound, but firm bids could have further shaded asking prices drastically for tankcar business. Raw oil was quoted at 16.40c. per pound, tankcars, zone 3, prompt and forward delivery. Consumers showed little interest in replacements and confined activities to taking larger quantities of oil against former contracts.

Minneapolis.—Crushers reduced the price of raw linseed oil in tankcars, zone 1, to 15.5c. to 15.7c per pound the past week as easiness continued in the fats and oils markets. Removal of ceilings on fats and oils by OPS had no effect on the market as prices have been far below ceilings for months. New business remained dull, crushers said, although there was the usual routine l.c.l. and single or two-car lots booked for nearby needs. Sales were said to have been made well under the 15c. per pound level and there were indications that discounts were being offered for prompt shipment oil in order to spur running time of plants.

Shipments of linseed oil, in pounds, were as follows:—

	1951-52	1950-51
Past week	6,000,000	11,480,000
Since Sept. 1	269,820,000	340,540,000

Flaxseed—Market was unsettled and lower. Trading was spotty as offerings were limited.

Minneapolis.—Cash flaxseed sold around the $3.90-a-bushel mark here last week as offerings were limited and demand was fairly good. The cash market reflected weakness in futures prices, which followed other grains lower. Crushers bid option price (May future price) for No. 1 flaxseed, which was 1c. better than in the preceding week. A buyer for an export interest was aggressive, evidently covering needs sold several months back. Purchases of spot cash seed last week totaled 14 cars and 3,000 bushels in trucklots. Bookings on a to-arrive basis amounted to 28 cars and 46,000 bushels in trucklots. Actual marketings, mostly against old contracts, totaled 115 cars during the week, compared with 67 cars in the preceding week and 197 cars in the same week last year. Shipments of seed from Minneapolis totaled only one car, the same as in the previous week, and compared with 110 cars in the corresponding week last year.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1951-52	Receipts 1950-51	Shipments 1951-52	Shipments 1950-51
Past week.	195,500	311,100	6,800	132,600
Since Sept. 1...	19,753,300	23,607,700	4,085,800	4,615,300

Other Vegetable Oils

Castor Dehydrated — Buying interest was light, with users taking limited quantities for actual needs. Prices were without change. Brazilian No. 1 was easy and nominal at 27c. to 27½c. per pound, tankcars, duty paid, New York prompt delivery.

Coconut—Trading was spotty. Crude oil was firmer, with light sales reported at 7⅝c. per pound, tankcars, f.o.b. Pacific coast and held at 8¾c., New York.

Copra—This market was quiet and easy. Shipments were lower and quoted nominally at $115 per short ton, c.i.f. Pacific coast.

Corn—Business continued slow. Crude was off fractionally and quoted nominally at 10¾c. per pound, tankcars, f.o.b. mills, Refined continued quiet and quoted at 13¾c. per pound, tankcars, New York delivery.

Cottonseed Refined — Consuming inquiry continued inactive. Tankcars were quoted nominally at 14c. per pound, New York basis.

Oiticica—This market was weaker and reflected lower linseed oil. Business was

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Coconut oil, crude, Pac. Coast, ⅛c. per lb.
N. Y., ⅛c. per lb.
Peanut oil, crude, ⅛c. per lb.
Soybean meal, $7 per ton.
oil, crude, ⅛c. per lb.
Tallow, extra, ⅜c. per lb.
fancy, ⅜c. per lb.
special, ⅜c. per lb.
Tung oil, ½c. per lb.

Prices Reduced

Castor oil, No. 1 Brazilian, 1c. per lb.
Copra, $5 per ton.
Corn oil, crude, ½c. per lb.
ref., ½c. per lb.
Cottonseed oil, ref., ¼c. per lb.
Fish oil, refined, 1c. per lb.
Japan wax, 3c. per lb.
Linseed, fatty acid, 3/10c. per lb.
oil, 3/10c. per lb.
Menhaden oil, crude, ½c. per lb.
Oiticica oil, ½c. per lb.
Ouricury wax, 2c. per lb.
Palm oil, ¼c. per lb.
Peanut oil, ref., ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	April 27, 1951
117.9	118.9	128.9	117.3	219.1

(For Current Prices see Page 9)

slow. Refined was quoted at 24c. to 24½c. per pound, tankcars, New York. Drums were nominal at 25½c. per pound, carlots and 26c. for less.

Olive—Trading was confined to small lots for immediate delivery. Prices were unchanged and merely nominal at $2.10 to $2.25 per gallon, drums, spot, duty paid, as to quantity. Stocks on spot were ample and interest in shipments from primary centers was lacking. Olive foots were in limited supply on spot and quoted at 16½c. to 16¾c. per pound, drums.

Palm—Business was spotty, chiefly for actual needs. Market was easy and off ¼c. per pound. Clarified was quoted at 11¾c. per pound, drums, and 9¾c., tankcars, spot delivery. Crude was maintained at 8¾c. per pound, bulk, c.i.f. New York for future shipment.

Peanut—Sales of about 75 tankcars of crude oil were reported at 12⅜c. per pound, tankcars, f.o.b. mills and 12½c asked. Refined oil was quoted at 15¼c. per pound, tankcars, New York. The government released peanuts for about 82 tankcars of oil last week. Department of Agriculture has announced it will not sell any more Virginia type peanuts for oil crushing purposes for the balance of this year, but will offer stocks of Spanish and runner types for both edible and oil making purposes as long as stocks are available.

Rapeseed — Business reported at a standstill. Refined oil was merely nominal at 21c. per pound, tankcars, New York.

Safflower—Prices were easy at the recent decline. Tankcars were unchanged at 15c. per pound, f.o.b. works and 16c. per pound, drums, carlots.

Soybean—Crude became firmer and up fractionally. Trading was light and spotty. Sales took place at 9c. per pound, tankcars, f.o.b. mills, April-May shipment. Offers for July-September were scarce and 9¼c. was bid. Refined salad oil was held at 11⅝c. per pound, tankcars, New York delivery.

Sales and prices of prime crude soybean (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended April 25 follow:—

	Sales	Cents per pound High	Low	Close
May	81	9.11	8.70	9.15@ 9.30
July	70	9.50	8.75	9.49S
September	84	9.64	8.85	9.64S
October	25	9.55	9.00	9.65@ 9.79
December	8	9.50	9.25	9.80@10.00
March	3	9.60	9.40	9.90@10.05

Total sales, 271 contracts.

Tung—Limited offerings and increased interest stiffened this market and though trading was light, prices were lifted ½c. per pound. Sales were reported at 39¾c. per pound, tankcars, prompt delivery, with 40c. generally asked. Drums were quoted at 41½c. per pound, carlots and 42c., for smaller quantities.

Fats and Greases

Greases—This market appeared steadier, though quotations were quotably unchanged and more or less nominal. Trading was limited to small lots for immediate needs. Export business continued slow. Choice white was quoted at 5⅛c. per pound, tankcars, delivered; yellow, 4c.; house, 3¾c., and brown, 3½c., same basis.

Lard—Business was reported quiet. Prices were nominal at former levels. Cash lard was quoted at 11c. per pound, tierces, Chicago.

Tallow—Improved trading stiffened the market and prices were advanced ⅜c. per pound for fancy, extra and special grades, while lower grades were unchanged. Demand was reported moderate for dealer and specialty buyers account. Soapers also showed more interest in replacements. Fancy was quoted at 5⅝c. per pound, tankcars, delivered; extra, 5⅜c.; special, 5⅛c., and No. 1, 4⅜c.

Animal Oils

Busines in animal oils lacked improvement, with consumers purchasing limited quantities for immediate needs. The undertone of the market, however, was improved by the firmness of the better grades of greases and tallow. Greases oils were quotably unchanged and more or less nominal. Other varieties also were unchanged and in slow request.

Fish Oils

Cod—Consuming inquiry continued inactive and the market was a dull and nominal affair. Shipments were merely nominal at 9c. per pound, drums, New York delivery. Light stocks on spot also were nominal at 11c. to 11½c. per pound, drums, as to quantity.

Refined Fish—Prices were dropped 1c. per pound, without increasing buying in-

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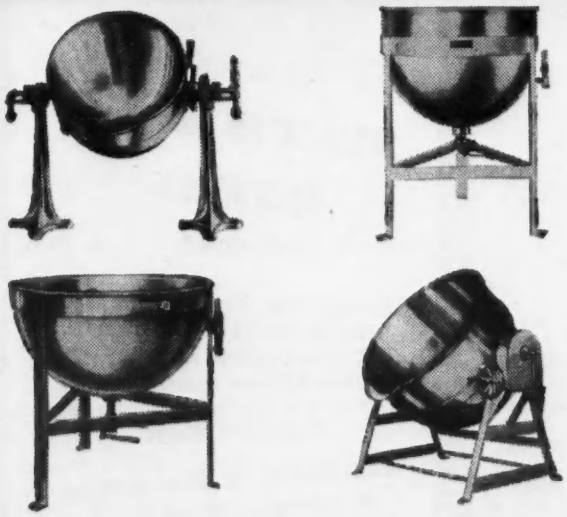

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terest. Light pressed oil was quoted at 11c. per pound, tankcars, New York, and alkali refined 1c. more. Light trading in crude menhaden oil was reported at 7c. per pound, tankcars, f.o.b. Baltimore for immediate shipment. Limited stocks in the Gulf sector were quoted nominally at 5c. per pound, tankcars, works.

Los Angeles.—Business continued quiet. Limited offerings of crude tuna oil were available at 5c. per pound, tankcars, f.o.b. San Pedro, and refined tuna at 7.75c. per pound, f.o.b. San Diego. Menhaden oil quotations were nominal at 5c. per pound, f.o.b. Gulf ports. Crude Canadian herring oil was offered at 6½c. per pound, tankcars, f.o.b. Seattle.

Fatty Acids

There was no snap to demand for fatty acids, as consumers continued to limit purchases to immediate needs. Red oil and stearic acid were quotably unchanged and steady, reflecting the improved tone in tallow. Vegetable fatty acids moved in a hand to mouth manner and were quotably unchanged, despite the lower cost of basic oils which was offset by the decline in glycerine.

Cake and Meal

Cottonseed Meal—A few scattered cars of resale cottonseed meal were available, while offers from crushers were practically non-existent. Resale cars were held at $2 to $3 per ton above mills ceiling prices and readily absorbed. The outlook for additional cottonseed meal this season continued very slim.

Linseed Meal — Offerings continued scarce. Market strong at ceilings.

Minneapolis.—Linseed meal prices held nominally steady at ceiling levels as no new tonnage was available. The trade noted with interest OPS action in boosting the soybean meal ceiling to $81 a ton, bulk, basis Decatur, Ill., from $74 a ton. Especially noted was OPS' plan of killing mineralized mixes, which had been selling well above the straight soybean meal maximum. As for linseed meal, the picture was unchanged. Crushers quoted extracted linseed meal at $70 to $71 a ton, bulk, in carlots, f.o.b., Minneapolis, and expeller meal at $71.50 to $72 a ton, bulk.

Shipments of linseed meal, in pounds, were as follows:—

	1951-52	1950-51
Past week	7,000,000	12,540,000
Since Sept. 1	390,960,000	624,900,000

Peanut Feed—Continued scarcity of cottonseed meal and uncertainty of soybean meal supplies kept this market firm. Forty-five percent old process feed was moved at $87 per ton for April-May shipment and $88 June-July, basis southeastern mills. Last week the government released peanuts to produce approximately 5,000 tons of feed which is about 2,500 tons greater than the average week's production for the last couple of months.

Soybean Meal—Office of Price Stabilization approved an increase of $7 per ton in the price ceiling of soybean meal. The increase effective April 23 sets the ceiling at $81 per ton, bulk, f.o.b. Decatur, Ill. The order continues differentials for sacking, sizes, cake and pellets, soybean meal feed, packaging location and deliveries in smaller quantities. Trading was very light. A few scattered cars were moved at individual mill ceilings. Most feed mixers inventories were reported moderate, but they will need additional supplies for May forward requirements.

Waxes

Beeswax—Consuming inquiry continued restricted to actual needs. Crude African ranged from 49c. to 50c. per pound, spot, depending upon quantity. Refined grades were inactive and unchanged at recent decline.

Carnauba — Trading was confined to moderate quantities for immediate requirements. Prices were well held on spot reflecting the firmness of shipments from Brazil. No. 3, crude was unchanged at 92c. to 93c. per pound and refined at 96c. to 97c. per pound, as to quantity. No. 1 yellow was generally held at $1.20 to $1.21 per pound, with some trading reported at slightly less. No. 2, was quoted at $1.18 to $1.19 per pound.

Japan — Quiet demand unsettled this market and quotations were off about 3c. per pound. Spot stocks were quoted at 32c. to 35c. per pound, as to seller and quantity.

Ouricury—Refined was softer and declined 2c. per pound. Spot stocks were available at 80c. to 82c. per pound, as to quantity.

Lever Appoints Bunnell

Lever Brothers Company has appointed David J. Bunnell general manager of the buying division. Mr. Bunnell will be in charge of fats and oils buying at the New York headquarters of the company. Before joining Lever in 1948, he was president of the Northwest Linseed Company, Minneapolis, Minn.

Palm Oil 1951 Exports Reported Under '49, '50

Palm oil and palm kernel exports in 1951 from the principal palm producing areas of the world declined somewhat from the levels of the two previous years, according to information available to the Office of Foreign Agricultural Relations. Palm oil exports also were less than prewar after having exceeded prewar both in 1949 and in 1950. Kernel exports, although down from the previous two years, were, for the third successive year, larger than prewar.

Shipments of palm oil in 1951 are estimated at 522,000 short tons, a decrease of 5 percent or 25,000 tons from 1950, and 3 percent or 15,300 tons from prewar. The African continent supplied 70 percent of the total, Indonesia 20 percent and the Federation of Malaya 10 percent. The decline in exports from the previous year is explained essentially by the drop in exports from Nigeria, the largest exporter since prewar and the source of about one-third of the 1951 total. Less significant decreases occurred in Malaya, French Cameroons, French Togo and Portuguese Africa.

Glycerin, Methylene Chloride Export Quotas Set by OIT

The Office of International Trade has established export quotas of 800,000 pounds for refined glycerin and 70,000 pounds for methylene chloride for the second quarter of this year. The glycerin quota is the same as that available in the two previous quarters, but this is the first time that quantity restrictions have been imposed on methylene chloride exports. The agency said that domestic demand for this important solvent had risen in recent months, making it necessary to limit exports so that domestic requirements could be met.

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3294	Shriver 36" Cast Iron, Rubber Covered P. & F. Filter Press, 34 chambers; closed delivery.
3454	Shriver 30" Cast Iron Recessed, 37 Chamber Press; open del.
3215	Shriver 18" Cast Iron Recessed, 26 Chamber Press; open del.
3327	Special Lot of Filter Press Skeletons; 15", 24", 30", 36".
2729	Oliver Dorrco Rotary Vacuum Filter; 6' x 3'; nickel contacts.
3317	Bird-Young Rotary Vacuum Filters; 2' x 4' and 4' x 4'.
2535	Sweetland No. 7 Plastic Lined Filter, also Sweetland No. 2.
3294	Industrial Tank Type Vertical Filter; 17 screens; 192 sq. ft.
3497/S3	Tolhurst 40" Centrifugal Extractor with Everdur perforated basket; with two speed 20/3 HP motor.
3497/S1	Tolhurst 26" Tolhurst Centrifugal Extractor; motorized
2945/M4	Tolhurst 40" overdriven, self-balancing Centrifugal Extractor; copper perf. basket; 7½ HP motor.
3240/M12	Sharples Super Centrifuge M84-21-IJY Stainless Steel 15000 RPM with 3 HP.
3315/E1	Premier Type U3 Colloid Mill, 10" S.S. rotor; 30 HP.
3272/L1	Premier L15 15" rotor Colloid Mill with 30 HP motor.
3397/P10	Eppenbach QV 3" Colloid Mill with 5 HP motor.
1699/F2	U.S. Stainless Steel Colloid Mill; 3¼" rotor with two motors 3 HP.
3091	Beach Russ Vacuum Pumps, wet and dry; large selection.
2748	Buffalo or Devine Dry Vacuum Pumps; 10" x 10".
9326	Kinney HI Vacuum Pump Model DVD, 18" x 14"; 700 CFM.

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1—5'6" x 24' Direct Heat Rotary Dryer or Rotary Kiln, welded shell.
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1—Devine #7 Vacuum Shelf Dryer, 13 shelves 40 x 43.
2—Buflovak Double Drum Dryers 32" x 90" complete with stainless steel accessories.
4—Buflovac 8' x 12' double drum Dryers.
1—Devine Rotary Vacuum Dryer, 2' x 8' also 5' x 25'.
2—Buflovak Vacuum Drum Dryers, 5' x 10' with all accessories.
1—6' x 50' Louisville welded shell Rotary Steam Tube Dryer with two rows, 54 tubes. Also two 6' x 27' Davenport same type.
3—J. P. Devine Double Door Vacuum Shelf Dryers; each equipped with 20 heated welded shelves 59" x 78", pumps and condensers.
2—5' x 40' Ruggles-Coles Direct Heat Rotary Dryers. Also Class A-2, 4' x 20'; Class XF-4, 54" x 25'.
2—Link Belt Rote Louvre Dryers, #207-10 and 705-20.

FILTERS & FILTER PRESSES

1—Shriver, Iron, steam heated, 30" x 30", 30 chambers.
4—Shriver & Johnson 30 x 30 iron plate and frame, 35-40 chambers each.
1—8' x 12' Oliver Lead-Wood Vacuum Filter, Acid-Resisting.
3—Oliver Vacuum Filters, Incl. 8 x 12' 11'6 x 14' 11'6 x 18'.
1—American 6' dia. 2 disc. Vacuum Filter, with all auxiliaries, 100 sq. ft. filtering area.
2—ALUMINUM FILTER PRESSES: 1—Sperry 30" x 30" 45 chambers.
1—#12 Sweetland Filter, 36 leaves on 4" centers.
1—Sperry 24x24 P. & F., 25 chambers, 2" frames.
1—Sparkler 33 D12 Filter, with scavenger plate.

JACKETED KETTLES

1—1,000 gal. Stainless Steel, jacketed & agit.
1—10' dia. x 4' Bartlett and Snow 1800 gallon, with agitator, 9/16" plate, 140 lbs.
3—1200 gal. Steel Steam Jacketed Kettles, closed.
5—Dopp kettles, 100, 150, 350 and 600 gallon.
2—Steel jack. agitated, 400 and 600 gal.
1—500 gal. open, agitated.
2—Lee 200 gal. S/S, 125#; 1—300 gal. S/S, 100#
4—Burkhardt copper, 275 gal.
2—100 gal. and 3—150 gal. Dopp C.I. dbl. motion, agitated.

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1—7'6" dia. x 10' long, 1,800 gals., Burrstone lined.
3—6' dia. x 8' long, 800 gals., porcelain lined.
4—5' dia. x 4' long, 235 gals., porcelain lined.
1—45" dia. x 42" long, 125 gals., porcelain lined.
1—37" dia. x 48" long, 100 gals., porcelain lined.
1—24" dia. x 36" long, 35 gals., porcelain lined.
1—24" dia. x 30" long, 20 gals., porcelain lined.

All Pebble Mills complete with porcelain balls or flint pebbles.

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4—B P jack. Mixers, 3,000 gal., size 30, type X.
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1—BP 100 gal. jack. Mixer, heated blades.
1—Patterson 110 gal. S.S. Vac. Kneadmaster, jack.
4—Day 40 gal. Pony Mixers.

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1—Buflovac 6' dia. Atmos. Jack. Crystallizers.
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1—24" x 15" Set Sturtevant Crushing Rolls, balanced type.
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1—5-Roll Raymond High Side Pulverizer.
3—Mikro Pulverizers, 2TH, 2S1, 4TH.
1—Stokes R single punch, maximum tablet 2½"
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1—Tolhurst 32" suspended type Centrifugal, Monel perforated basket, bottom discharge, motor driven.
1—Bird 36"x60" solid bowl, continuous centrifuge, stainless steel.
1—Oliver 8'x8' rubber lined and lead Rotary, Precoat Filter.
4—Oliver 3'x1', 3'x4', 8'x12' steel Rotary Vacuum Filters.
1—Oliver 3'x4' Rotary Vacuum Filter with pressure tight housing.
2—Oliver 8'x10' Monel Rotary Vacuum Filters.
1—No. 7 Sweetland Filter with 27 leaves on 3" centers.
4—Shriver 36"x36" cast iron, plate and frame Filter Presses, 30 chambers.
5—Shriver 30"x30" cast iron, plate and frame Filter Presses, 30 chambers.
4—Sperry 24"x24" cast iron, plate and frame Filter Presses, 16 chambers.
2—Stokes 30"x8', 3'x15' Rotary Vacuum Dryers.
1—Link Belt, Monel 2'7"x8' Rote-Louvre driver.
1—Buflovak 32"x100" atmospheric double drum Dryer, complete.
2—A. O. Smith 7'6"x20' stainless steel Rotary Vacuum Steam Tube Dryers.
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3417	S/S Jacketed Reactor; 24" x 40"; with agitator.
3168	S/S 500 Gal. Jacketed Reactor; 6' x 30" straight side.
3320	S/S 250 Gal. Closed Top Tanks; 36" x 50"; agitated.
3424K2	Monel Jacketed and Agitated Reactor, 250 Gal. with S/S Condenser and Receiver.
3424K9	S/S 475 Gal. 4' x 5' Tank; agitated and jacketed.
3168D7	S/S Doppley Jacketed Reactor; 40" x 8'.
3434	Dopp Cast Iron 650 Gal. Fully Jacketed Mixing Kettle; closed top with agitator; 80" x 67".
2514	2 Dopp Cast Iron Jacketed Kettles, 250 gal.—60" x 30".
3939	NEW Buflovak 500 Gal. Steel Jacketed, Agitated Mixing Kettle; 4' x 5'2".
3273	Pfaudler Glass Lined Jacketed and Agitated; 47" x 67".
2834	Steel Vacuum Receiver; 400 Gal.; 3' x 7'.
3470	Stainless Steel Bubble Cap Column; 16 section; 8½ x 19'.
3452	Pfaudler 350 Gal. Glass Lined Tanks; Jacketed; Agitated; size 54" x 36".
3502	Stainless Steel Heat Exchanger; 20" x 18"; 280 sq. ft.
1000/C5	C. H. Wheeler Surface Condenser; copper tubes 4,000 sq. ft.; Cast Iron shell 54" x 17'2".
2895	Devine Single Effect Evaporator; Calandria type; 28" x 8'.
1000/C1	Long Tube Double Effect Evaporator; Copper Tubes; 2,000 sq. ft.
3475	Zaremba Single Effect Cast Iron Evaporator with copper tubes; 130 sq. ft.; 40" x 10'3" overall.
3274	Swenson Quadruple Effect Long Tube Evaporator; Vertical Film type with 5 Vapor heads.
1000/C3	Jos. Oates Copper Quadruple Effect Calandria type Evaporator; 2,085 sq. ft.

FIRST MACHINERY CORP.
157 HUDSON ST WOrth 4-5900 NEW YORK 13, N. Y.

YOU CAN'T GO WRONG WITH MEC BUYS

SPECIAL OFFERINGS

DRYERS

1—Buflovak Vacuum Double Door 20 Shelves 60"x80".
1—Buflovak Vacuum 12 Shelves 42"x42".
1—Stokes #138 Vacuum 6 Shelves 24"x38".
1—Devine Vac. 20 Shelves.

FILTER PRESSES

1—Shriver 30" C.I. Plate & Frame 36 Ch. 1" Cake—Closed Del'y.
1—Shriver 42" C.I. Plate & Frame 26 Ch. 1" Cake for Open or Closed Del'y.
1—Ind. 30" Wood Plate & Frame 24 Ch. 1¾" Open Del'y. Wash. Style.
1—Shriver 42" Wood Plate & Frame 42 Ch. 1¾" Open Del'y.—Hyd. Closure.
1—Sweetland #12 Filter.
3—18" & 24" Wd Plate & Frame, C. D. Wash. Style.

Complete selection of Stainless Kettles & Tanks, Agitators, Pulverizers, Mixers, Sifters, Packaging Equipment, etc.

Send us your inquiries. We buy Single Items to Complete Plants.

The Machinery and Equipment Corp.
533 WEST BROADWAY
New York 12, N. Y. GRamercy 5-6680

FILTER PRESSES — Shriver 24" w/28 chambers, closed; 30" w/28 chambers, open, washing.
CENTRIFUGES—Tol. 26"-42", Laughlin Cont. 24", H&S 48" rubber.
MILL—Kent, 4" x 8", watercooled, 3 roll.
2 BOILERS—Erie 200 HP 125 PSI—1947
TANKS—12,000 hor. & vert. 7' x 10'.
PULVERIZERS—Wms. LG25, Ray. #1 w/cycl. Wms. GA 30 Sturt #1 Ring.
MIXER—Stokes 13 gal., L/B, 16 cu. ft.
VACUUM PUMPS—IR 4 x 4 x 2¾, Devine 10 x 10, Nash H-5 bronze fitted (unused).
KILNS—Rotary 24" x 18', 4' x 30', 4½' x 40', 6' x 80'.
JAW CHRUSHERS—8 x 11, 8 x 14, 14 x 28, 16 x 32, 18 x 36.
DUST COLLECTOR—Dracco—4 comp. 1080 sq. ft.
SCREENS—Hummer 3' x 10', 3' x 5', Gyro Centric 40 x 84.

LAWLER COMPANY
LAWLER PLACE, METUCHEN, N. J.
METUCHEN 6-0245

STEIN EQUIP'T OFFERS

DRYERS AND KILNS

2—Allbr. Nell 4'x9 Atmos. Drum Dryers.
1—Proctor & Schwartz 6 fan automatic 3 apron Conveyor Dryer.
1—Buffalo Vac. Drum Dryer 24"x20" Also Rotary Vac. Dryers & Vac Shelf Dryers.
6—Steam, gas & elect. Dryers. Tray & Truck.
8—Rotary Dryers. Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

CENTRIFUGALS AND CENTRIFUGES

6—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26" 30" 40" & 48" Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges. 2 HP. also No. 8.
2—De Laval Multi Clarifiers. 300 & 301.

FILTERS

5—Sperry 36"x36" Iron & Wood Filter Presses.
10—Sperry and Shriver, 7", 12" 18", 24", 30", 32", & 36" iron, bronze and wood filter presses.
Extra 36" Iron Sperry Plates & Frames. Sweetland & Oliver Vac. Filters.
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.

KETTLES AND TANKS

1—Steel ASME 275 PSI Closed Pressure Tank, 4½'x10'.
1,000 gal. vert. agit. Stainless Tank.
Devine 1,000 gal closed Jack Steel Kettle
1—500 gal Closed Jack Steel Kettle.
8—Jack Kettles, 50 to 1,000 gals.
1—250 gal Lead lined Kettle
Stainless, alum., Copper, Glass Lined, Lead Lined Kettles and Tanks.
New Stainless Tanks. 50 to 500 gals.
Copper Varnish Kettles. 150 to 300 gals.

PULVERIZERS AND MILLS

2—Abbe Pebble Mills 33"x42" & 6'x8'.
8—Abbe Jar Mills Lab. to 25 gals.
Ball & Jewell #0 Rotary Cutter.
1—Leominster #0 Rotary Cutter.
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P. complete.
2—#0000 Raymond Mills
Hammer Mills & Pulverizers, to 50 HP
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22" 9"x32", 12"x30" 16"x40"
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
1 9"x24" 1 Pr High Steel Roller Mill
Houchin 18"x36" 4 Roll Granite Stone Mills.
1—U. S. Lab. Colloid Mill, 1½ HP.

MIXERS—ALL TYPES

Baker Perkins double arm Mixers 200, 100, 50, 9 & 4½ gals. Also single arm Mixers.
1 Century 2 HP 4 speed Vert. Mixer
Patterson 3½ dia Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10 Dry Powder Mixers. 50 to 2,000 lbs.
Day 40 & 15 gal. Pony Mixers.
15 Portable Elec. Mixers. ¼ to 2 HP.
6—Lead and Paste Mixers to 150 gals.

SCREENS AND SIFTERS

Gt. Western 24"x32" 1 deck Sifter.
1—Jeffrey 1 deck 18"x48" conveyor screen.

MISC. AND SPECIALS

4—Stokes & Colton Rotary and Single Punch Tablet Machines, ½ to 3".
4—French Oil 400 Ton Linseed & Cottonseed Hydr Presses.
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers. Filling Machines, liquid paste, powder.
2—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36"
1—Gould 75 HP 2 stage centrif. Pump 250± WP.
4—Stokes Vertical High Vac. Pumps.
2—Worth 12"x12"x12" Vac. Pumps.
6—Devine & Buffalo Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc. Centrif., Rotary, Duplex & Triplex Pumps. Boilers—Gas, Oil & Coal Fired.

WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY AND COMPLETE PLANTS

STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.
WOrth 2-5745

FOR SALE FROM STOCK

6—3,000 gal. Horizontal Stainless Steel Tanks, insulated and agitated.
40—Stainless Steel Tanks—30, 60, 100, 150 200, 300, 500, 1000, 1400, 2000, 4200, 5700 gal.
2—16,200 gal. Vertical Stainless Steel Tanks, NEW.
1—43,400 gal. Horiz. Aluminum Tank, NEW.
2—2,053 gal. Vertical Steel Yeast Tanks, 6'6" dia. x 7'4" H., copper coils.
1—Stainless Steel Kettle, Jktd. & Agit., 950 gal., T. 347.
50—Stainless Steel and Stainless Clad Steam Jacketed Kettles—10, 40, 60, 80, 100, 150, 200, 500 gal.
1—500 gal. Lead Lined Kettle, with cover jacket, coils & agitator.
1—12 gal. Inconel Pilot Plant Reaction Kettle with condenser, receiver, etc. Dowtherm heated.
1—Glass-Lined Kettle, jktd., agit., cover, 50 gal.
1—100 gal. Aluminum Reaction Kettle, Jktd. and Agit.
1—250 gal. Stainless Steel Vacuum Still, T316, direct fired; with 16" dia. x 3' High raschig ring packed column.
1—Stainless Steel T316 Packed Column, 2' dia. x 6'8" H.
5—Stainless Steel Coil and Tub. Condensers, 40 sq. ft.
8—Copper Shell & Tube Condensers, 65, 75, 95, 330, 340, 420 and 487 sq. ft.
2—Kux Rotary Pellet Presses, model 25. 21 & 25 punch.
7—Stokes Rotary Tablet Presses, B-2, D-3, D-4; 16-punch.
1—Fitzpatrick Model D Comminuting Machine, Stainless Steel.
1—Williams Hammer Mill, Size A, Type AK, Stainless Steel.
1—Hardinge Conical Ball Mill, 4'6" dia. x 24", steel liner.
2—Paul Abbe #6 Porcelain Lined Pebble Mills, 32"x36".
2—Paul Abbe #6 Porcelain Lined Pebble Mills, 32"x36".
8—C. I. Filter Presses, 10" to 36" sizes.
1—Rotary Vacuum Filter, 8'x8' acid-proof, precoat.
1—Feinc Rotary Vacuum Filter, 4'6" dia. x 6' face, aluminum.
2—Sweetland Filters, #2, & #12.
1—Alsop SD-12-WR-30 Filter T316 St. St.
2—Industrial F & P Mfg. Co. Pressure Leaf Filters, size 18x48 (68 sq. ft.) type RB (rubber lined tank, bronze leaves) with slurry tank, pump & motor.
1—Illinois Water Treating System, 500 GPH flow-rate, with Zeolite tank.
1—Louisville 5' dia. x 20' 6" L Rotary Steam Tube Dryer with screw press.
2—Stokes Jacketed Vacuum Rotary Dryers: No. 59A—18"D x 42"L; and No. 59B—3'D x 15'L.
2—Rotary Hot Air Dryers, 46" dia. x 26'L and 5'6" dia. x 35' long.
2—Double Drum Dryers, 22"x38".
8—Horiz. Ribbon Type Powder Mixers—50 lb., 100 lb., 200 lb., 400 lb., 2,000 lb.
1—Broughton style A, size 1, horiz. double arm powder mixer, 50 cu. ft.

JUST PURCHASED

ONE-PIECE WELDED BREWERY TANKS

22—15,190 gal. Horiz. Lastiglas lined.
3—5,735 gal. Vert.; closed.
10—4,975 gal. Vert. Closed, mammut lined.
6—7,688 gal. Vert. closed, mammut lined.
Excellent condition.

PERRY EQUIPMENT CORP.
1407 N. 6th ST., PHILADELPHIA 22, PA.

FOR SALE

3-roll Mills: Day 12x32" slow speed.
Dryer: 36x80" double drum atmospheric.
Vacuum Pans: 6' stain. steel, 5' copper.
Pebble Mills: 4x5' Patterson buhrstone lined.
Reactors: 250 gal. stainless steel.
Starch Cookers: 300 gal. Lee stain. steel.
Kettles: Stainless steel—20 to 300 gal.
Mill: Hardinge 5'x36" buhrstone lined.
Clarifier: De Laval #600 multiple.
Oil Purifier: De Laval No. 600, 2 hp. motor.
Autoclave: 10 gal. Buflovak, cast iron.
Centrifugal: Fletcher 18" perf. basket.
Capsule Fillers: Colton 20 holder, size 0.
Vacuum Pan: Stokes 25 gal. st. steel, jacktd.
Powder Mixers: 100 to 2,000 lbs.
Filter Press: 24" Shriver plate and frame.
Colloid Mills: Premier, Charlotte—st. steel.
Tanks: 3,000 gal. vert. dairy gl. lined jktd.

LOEB EQUIPMENT SUPPLY CO.
1925 W. North Ave. Chicago 22, Ill.

FOR SALE

2—Motor Driven #2SI Mikro Pulverizers, Practically Brand New.
1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 500 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Eppenbach Stainless Steel Homo Mixer with a 7½ hp Explosion-Proof Motor.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 5, N. J.
DElaware 2-6695-6

AUTOCLAVE
42" DIA x 24' VERTICAL WELDED
Inspected and Approved For 400 lb. Pressure

EMSCO EQUIPMENT CO.
AFFILIATE OF EMIL A. SCHROTH
73 Hyatt Ave., Newark 5, N. J.
Phone: Mitchell 2-3536

Keep 'em rolling . . . not rusting

For Sale

Steel storage tanks and complete tank cars, 6,500 to 12,000 gallons capacities, coiled and non-coiled.

Marshall Railway Equipment
Corporation
50 Church St., New York 7 N. Y., CO 7-8090
Cable MARAILQUIP

SPECIAL ME SALE
EIMCO 8'x8' FILTER

- New in 1946, used only two seasons.
- Closed drum, eqpd. with agit. trough.
- Nash Vac. Pump, 30 HP mtr. & slcr.
- Vac. receiver, blower, brmtrc. condsr.
- Complete with all piping & connect'ns.
- Cond. like new, can ship immediately.

Priced to Sell, N. W. Location; Must Move

MACHINERY AND EQUIPMENT CO.
SAN FRANCISCO, CALIF.

NEW AND GOOD-AS-NEW EQUIPMENT

Stainless Steel Tanks, new, 100 and 200 gals.
2—360 gal. #316 Stainless Tanks—new.
1—Stainless Tank, No. 430 Chrome, vert. 7' dia. 10' deep, dished bottom, ¾ plate.
20—Steam Jacketed Kettles, Stainless Steel, Copper & Aluminum, 5 to 250 gals.
1—Copper Evaporator, steam jacketed, 9'1" x 3'9".
60—New Pressure Cookers, 18" x 18" & 24" x 28".
50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm at 40'.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed, used one week.
1—Ribbon type Mixer, steam jacketed.
1—Model 16 Sharples Stainless Steel Centrifuge.
1—Jeffrey Vibrating Conveyor, 18' lg. 12" wide.
1—Bartlett Hog Mill & 7-½ H.P. Motor.
1—4x8 Sturtevant Jaw Crusher.
1—Sweetland Filter No. 5, 15 leaves.
3—Stainless Steel Jacketed Filters.
2—Plate & Frame Filters, 25"—open del.
4—Tanks, 100,000 gals. each.
1—Shriver 18" Aluminum Filter, 9-plates, 9-frames—closed delivery.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.
6—New Cleven Can Filling Machines.

SPECIAL—:—6—3,000 gal. Steam Jacketed Kettles with Turbo Agitators.
1—3x4 Patterson Ball Mill, Manganese Lined, with 10 H.P. Motor.
9—Horizontal Tanks, 12' x 27'—16,647 gals. each.
8—Horizontal Tanks, 10'6" x 30'—15,500 gals. each.
1—150 gal. Steam Jacketed Closed Kettle, 150# w.p. on jacket, 200# inside, A.S.M.E.
10—18" Sperry Filters, 11 chambers, 10 plates, closed delivery, ratchet closing—like new.

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

LIQUIDATION
FROM NIAGARA FALLS, N. Y.

Everything must be moved within 30 days. First-class equipment priced to sell. Act Now!

AMINES UNIT

2—5'x47" Absorber Columns.
1—5'x38' Still.
1—7'x16' Reboiler.
2—1,035 sq. ft. Heat Exchangers, 4 pass, 250 PSI.

(All equipment mf'd. by Braun, ASME, welded)

OXIDATION UNIT

2—7'9"x19'9" Oxidizers, refractory lined, direct fired.
1—5'x42' Packed Tower.
4—3,460 sq. ft. Heat Exchangers, Whitlock.
2—Roots Blowers, 14"x18".
1—Refrigeration Compressor, 7,500 CFH, 295 PSI suction, 1,100 PSI discharge.

3—Complete Gas Cracking Furnaces, 25'x8'6"x9', with chrome coils and gas burners.

SULPHUR REMOVAL UNIT

Thienizers—4'x66' & 12"x58'.
Absorbers—11'6"x58' & 3'6"x58'.
Separator—3'x7'.
Chlorine Removal Tank, 2'x21'3".
2—Air Compressors, 12x9, 275 CFM, 30 PSI.
(Interconnecting piping & valves are with all units.)

Centrifugal Pumps, Cameron size 4LV and I. R. 2x3, 200 GPM, 150 TDH, bronze trim.
2—Gould Triplex Pumps, 4x6.
2—Water Meters, Neptune 1½ style 3.
Permutit Water Softening System.
2—Jennings Vacuum Pumps, size SD20.
24"x24" Coal Crusher, single roll.
Pelton Water Wheel, bronze casing, wheel & buckets.
Nash #7 Hytor.
3—Dracco Dust Collectors, Type AAA.
Spray Cooler, 5'x30'.
Cast Iron Column, 24"x16'.
2—Steel Tanks, lead lined, 6'x17'x1⅛".
2—100M cu. ft., two lift, Gas Holders.
Large lot Boiler Breeching Catwalks.

ABOVE UNITS CAN BE PURCHASED COMPLETE, OR INDIVIDUALLY

OTHER EQUIPMENT IN STOCK AT OUR WAREHOUSE

BLENDERS

310 cu. ft., jacketed.
730 cu. ft., jacketed.
157 cu. ft. Sturtevant HA.

COLUMNS—TOWERS

8'x36'x⅜" Absorption (2—UNUSED).
5'x51'x⅜" Absorption, ASME 20 trays (2).
5'x38'x⅜" Absorption ASME, 14 trays.
3'6"x58'x⅜" Absorption.
6'x44'x2¼" Scrubber, 5" heads 225 PSI.
24"x13' C. I. Fractionating 18 plate.
5'x42'x⅜" Packed.
6'x49'x⅜" Bubble Cap, 19 trays.
6'x29'8" Bubble Cap, SS, 21 trays.

COMPRESSORS

Fuller C-11, 31 to 32 CFM.
Fuller C-80, 385 to 405 CFM.
Nash H7.
Worthington, Air, 12"x9", 275 CFM @ 45 PSI (2).
Worthington, Air, 15"x9½"x12".
Linde, Air, 12"x6"x4½"x2-1/8"x18".
Brunswich-Kroeschell CO2, 7,500 CFH @ 1,100 PSI.
I. R. Gas Type NNE 8¾"x6⅜"x3¾"x8".
Norwalk, Gas, 2,220 CFH @ 70% off.
Norwalk, Gas, 1,700 CFH WP, 2,300 PSI
Norwalk, Gas, 4,116 CFH WP 2,300 PSI.
Bury, Gas, 5"x2⅝"x5" 400 PSI WP.

CONDENSERS—HEAT EXCHANGERS

Al. Chel. 400 sq. ft. Admiralty tubes (NEW).
Wheeler 3,640 sq. ft. Admiralty tubes (NEW).
Scraper Condenser, 8'x15', aluminum, external heating coils (2).

DRYERS

1106-35 Roto Louvre.
Tunnel Truck 9'x35'x9', cap. 14 trucks.
Turbulaire N2 Spray, with filter.
Stokes, Rotary, Vacuum, 30"x8', Complete.
Buflovak 5'x6' Atmos. single drum.
Stokes, 4'x9' Atmos. double drum.

FILTERS

36" Shriver Press, washing, closed delivery, Celoron plates & frames.
36" open, 27 chambers, wood plates.
8'x12' Feinc, all steel.
8'x10' Oliver, wood & steel (3).
11'6"x18' Oliver, all steel.
4'x5' Oliver, SS & wood (2).
#7 Sweetland, 2" spacing, 28 leaves.
36", 35 chambers, center feed, open.

KETTLES

2,500 gal. ASME, jack'td., egit., steel.
1500 gal. jackt'd., C.I.
400 gal. Pfaudler, glass-lined, jack'td., egitated.
137 gal. glass-lined jacketed dish.
65 gal. glass-lined dish.
40 gal. SS clad. 40 PSI, jack'td. (4).
Pfaudler 60" jack'td. evaporating dishes.

KILNS—COOLERS—DRYERS

7'x60'x⅜" with lifters.
6'x14'x9/16" Struthers-Wells (NEW).
5'x67'x5/16" with lifters.
4'x16'x¾" Iowa with burner & stack.
25"x15'x⅜".
9'6"x85'x¾".
10'x90'x9/16" Allis Chalmers.
8'6"x110'x¾".
9'6"x8'6"x200'x¾".
24"x24' Sincro Cooler.

MILLS

6'x8' Abbe.
6'x8' Patterson.
GP 106 Williams.
K-200 Kombinator, SS.
4-roll Raymond.
5'x22', tube, Silex lined.
Size 1 Allis-Chalmers.
A2 Jeffrey 36"x24".

MIXERS

Paddle, 19"x24"x18', complete w/drive.
Paddle, double shaft, 140 cu. ft. (NEW).
Readco 1½ SA, 88 gals.
Blystone, 48"x6'7", 500 gals. (2).
Binks, type TM60, 100 gals. (2).
Champion, type E, size 2, 110 gals.
Ajax, #3 Super, 173 gals.
Jacketed, 3,900 gal., hor., 6'6"x7'6"x12'10", 75 PSI, ASME.
Sublimator, hor., 4'x10'.

TANKS & PRESSURE VESSELS

135,000 gal. 30'x26' w/coils.
25,000 gal. 10'x40'x⅜" (2—NEW).
12,000 gal. 8'x32'x¼" (2—NEW).
8,500 gal. vert. 8'x23'x5/16" (NEW).
4,100 gal. vert. 5'x28'x¼" (NEW).
3,000 gal. 5'x21'6"x¼", type 430 SS.
3,500 gal. 5'x23'x¾", 200 PSI (4).
2,000 gal. 5'x13'7½", 106 PSI.
1,250 gal. 4'x14', 106 PSI.
1,200 gal. 42"x16'8"x5/16", 125 PSI.
1,050 gal. 4'x12'x½", 106 PSI.
6,500 gal. TANK CAR TANKS.

WEIGHING MACHINES

Weightometer, 20 ton, 18"x8'6".
Automatic, model NP, ¼ oz. to 3 lbs.

→ ABOVE IS ONLY PARTIAL LISTING OF OUR INVENTORY ←

Heat and Power Co., inc.

70 PINE STREET | HANOVER 2-4890 | NEW YORK 5, N. Y.

MACHINERY & EQUIPMENT MERCHANTS

Mills: Lehman 8 roll water cooled 12x32.
Paint Mixers: O&T, Kestner & Hecht, Day.
Paint Mills: Day, Lehman, etc., solid rolls.
Pwdr. Mixers: ribbon, tumbler, 50 to 3000#.
Dough Mixers: sgl. or dbl. arm, pl., jktd.
Fillers: powder, liquid, paste.
Kettles: stainless, steel—jktd., plain.
Labelers: spot, can—auto. semi.
Baker Perkins Mixers, style VIH, jktd., tilting, 100 gal. working capacity.

Highest class reconditioning—done in our own shops. We also purchase entire plants or single items.

NEWMAN TALLOW & SOAP MACHINERY CO.
1051-1059 W. 35th St. Chicago 9, Ill.

EXCLUSIVE

2—7500# dry powder mixers, 6'x7'x9' long —end discharge.
1—Sharples Super-D-Canter stainless steel type 316—10 HP XP motor used 6 hrs.
1—UNUSED Charlotte #3 monel constructed colloid mill.

WHAT HAVE YOU FOR SALE?
WE BUY OR TRADE

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. • NEW YORK 13
WOrth 4-8130

EQUIPMENT
for CHEMICAL AND ALLIED INDUSTRIES

2—Buflovak Double Door Vacuum Shelf Dryers, 20 shelves, size 5' x 160" each.

1—Buflovak Double Drum Dryer, 24" x 36".

1—Buflovak Double Drum Dryer, 32" x 90".

2—J. P. Devine Vacuum Shelf Dryers, 5 and 9 shelves.

1—Ruggles Cole Rotary Kiln 7½' x 60'.

1—Stokes Rotary Vacuum Dryer, 34" OD x 12'1" long.

1—Link Belt Roto-Lourve Dryer #207-10.

1—Louisville Steam Tube Dryer 6' x 50'.

2—Downington Stainless Steel Heat Exchangers, 500 sq. ft.

1—Sweetland #5 Filter, steel leaves.

1—Pfaudler Glass Lined Condenser, 12 sq. ft.

1—Read Stainless Steel Jacketed Double Arm, Sigma Blade Mixer, 225 gals.

8—Baker Perkins Jacketed Mixer, 200 gals., Sigma Blades.

6—Baker Perkins Stainless Steel Jacketed Mixers, 100 gals.

2—J. H. Day Mogul Mixers, 2½ and 5 gals.

2—Orville Simpson Rotex Screens #41.

1—Fuller C-200 Rotary Compressor with 100 HP Motor.

1—Nash H-7 Compressor with 150 HP Motor.

R. GELB & SONS, INC.
UNION, N. J. Est. 1886 Unionville 2-4900

FMC Offers New York's Biggest Stock of DRYERS—Ready to Operate

Stock. No.	Description
3053	Procter & Schwartz Continuous Atmospheric Apron Dryer; 43'6" L; 7'6" W; 14'0" H; apron widt 3'; with accessories.
3407	Buflovak Vacuum Chamber Dryer with 20 shelves; 40" x 42" with Vac. Pump Condenser and Receiver.
3288	Stokes 16 shelf Steam Heated Drying Cabinet, 3' x 3' shelves; 6'10" overall; with blower.
3250	Horizontal Dryers, 66" x 14'2" with tracks, 2½" steam pipe; double door, capstan closing heads.
3490	Climax Dryer—Sterilizer—Disinfestor; Jacketed; 48" x 42" x 8' long; sealed door each end.
3497	Jacketed, Agitated Crystallizers; 24" x 21" x 12' long with 5 H.P. motors.
3102	Steel Jacketed Horizontal Dryer or Cooler; 54" x 18' with scraper agitator.
3382	Rotary Vacuum Dryer, 52" x 102", with agitator, dust collector and 10 H.P. motor and drive.
3506	Horizontal Jacketed and Agitated Steel Vacuum Cookers, 4' x 7'7½".
3418	Adt Class G Rotary Dryer, indirect heat, gas fired, 2' x 15'.
3304	Squier Rotary Atmospheric Stainless Dryer with hexagonal shell; 30" x 20' long; S/S feed and Acrofins.
3168	Louisville Counter Current Monel Lined Rotary Atmospheric Dryer, 36" x 16' long.
3414	Rotary Drum Dryer with nickel drum for steam, 48" x 46".
3303	Type 316 Stainless Roll or Drum, steam cored, 32" x 52".
3024	Buffalo Rotary Vacuum Dryer with chrome plated drum, 5' x 12' with accessories.
1100	Buffalo Vacuum Drum Dryer, 5' x 12' Bronze Drum.
1101	Devine Vacuum Drum Dryer, 52" x 10'6"; Bronze drum.
2877	Buflovak Double Drum Dryer, 32" x 72" with accessories.
3316	Bagley & Sewell Double Drum Dryer; 20" x 60".
2910	Continuous Tubular Dryer with jacketed shell, 10" x 28', with cored rotor for steam.

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3447	Sprout Waldron Saw Tooth Crushers; 16" x 16" and 20" x 25".
3168/05	Stainless Steel Saw Tooth Crusher; 10" x 11" with 2 HP motor.
3427	Jay Bee Type A Hammer Mill, 15" x 24" with 15 HP motor.
1091/N1	Williams Model NF Hammer Mill; 24" x 14"; requires 60 HP.
3429/A9	Gump Bar-Nun No. 40 Hammer Mill; 12" x 10"; requires 50 HP.
3429/A7	Williams Hammer Mill 36" x 18"; requires 50-60 HP motor.
3429/A6	Williams No. 4 Hammer Mill; 10" x 18"; requires 50-65 HP.
3324/E2	Mikro No. 4F Pulverizer; 15" x 24"; requires 40 HP motor.
3293/E1	Raymond Imp Mill; 9" x 18" with accessories.
3318	Williams Ring Roll Mill; ring 10" diameter by 3" face.
3128	American Pulverizer Co. Ring Roll Crusher; 30" x 37" throat; 50 HP.
2388	Raymond No. "00" Automatic Pulverizer with accessories.
3277	Robinson Double Runner Attrition Mill; 26" with 2-10 HP motors.
3484/A6	Selectro Brand New Screen Sifter; 8' x 10'; also 18" x 60".
3102/A8	Orville Simpson Rotex Sifter; No. 41; 40" x 120"; 2 HP.
2584	J. H. Day Ro-Ball Sifter No. 81; 40" x 120"; 1½ HP.
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RFC Liquidation Move Stymied by Administration

The senate voted last week to liquidate the Reconstruction Finance Corporation and transfer its tin and rubber programs to other agencies of the government, but later modified its position and sent the entire matter back to the banking committee for further study.

The surprising vote came on a motion of Sen. Harry Byrd (Virginia) to substitute a liquidation bill for the bill under consideration by the senate for reorganization of the lending agency. The senate adopted the Byrd motion by a 39-36 vote, and caught the administration forces completely off guard.

After several hours of debate, which gave time to round up additional senators to attend the session, the senate voted 42-37, at the request of the administration, to recommit the bill to the banking committee,

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Plant Food Council

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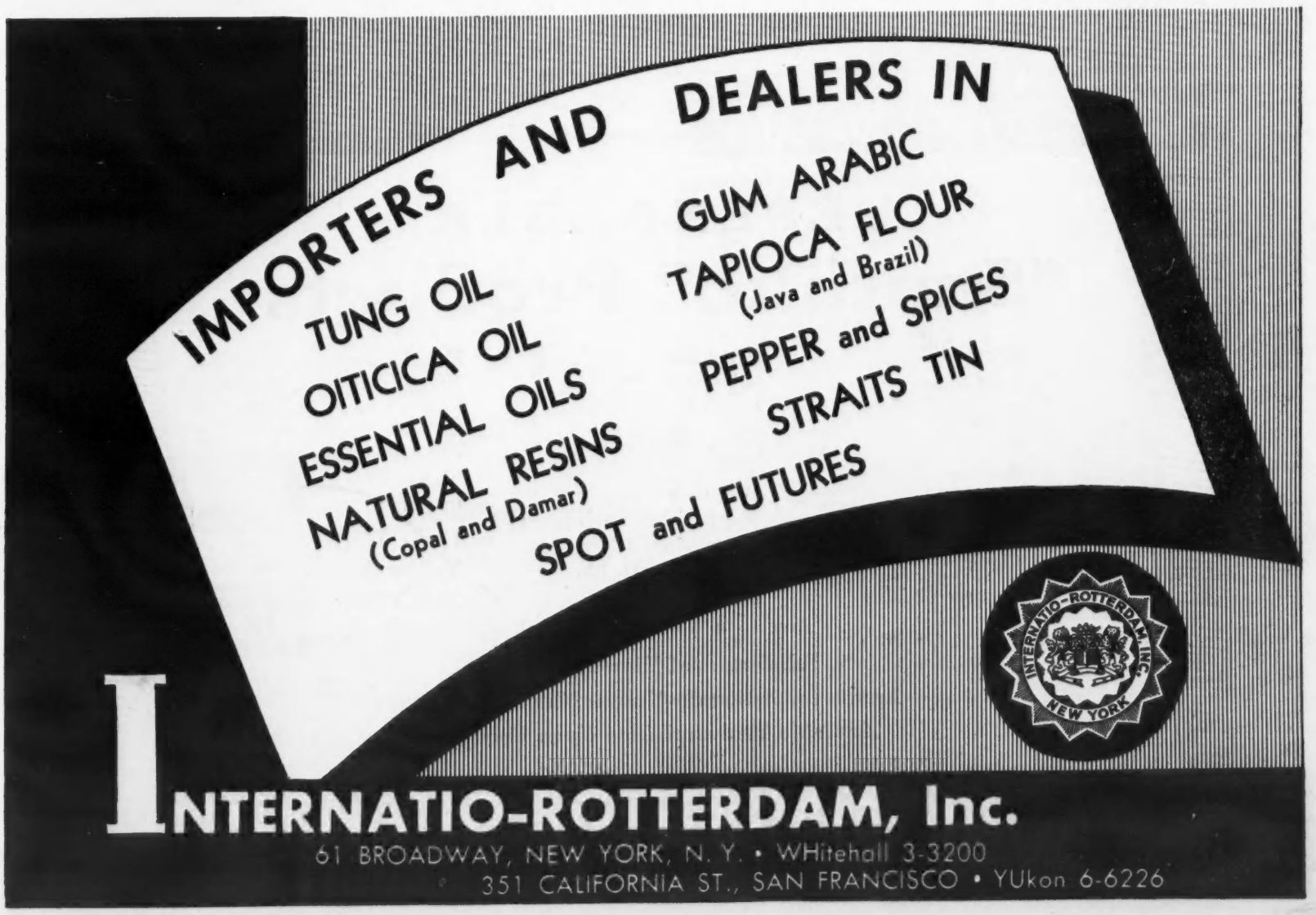
Bureau of Agricultural Economics, Department of Agriculture; D. Howard Doane, founder of the Doane Agricultural Service, St. Louis, Mo., and Herschel D. Newsom, master of the National Grange, Washington, D. C.

W. A. Minor, assistant to the secretary, Department of Agriculture and chairman of USDA's fertilizer policy committee, will be the final speaker on the Saturday morning program. His subject will be "We Too Have A Job To Do."



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